

FIG. 1

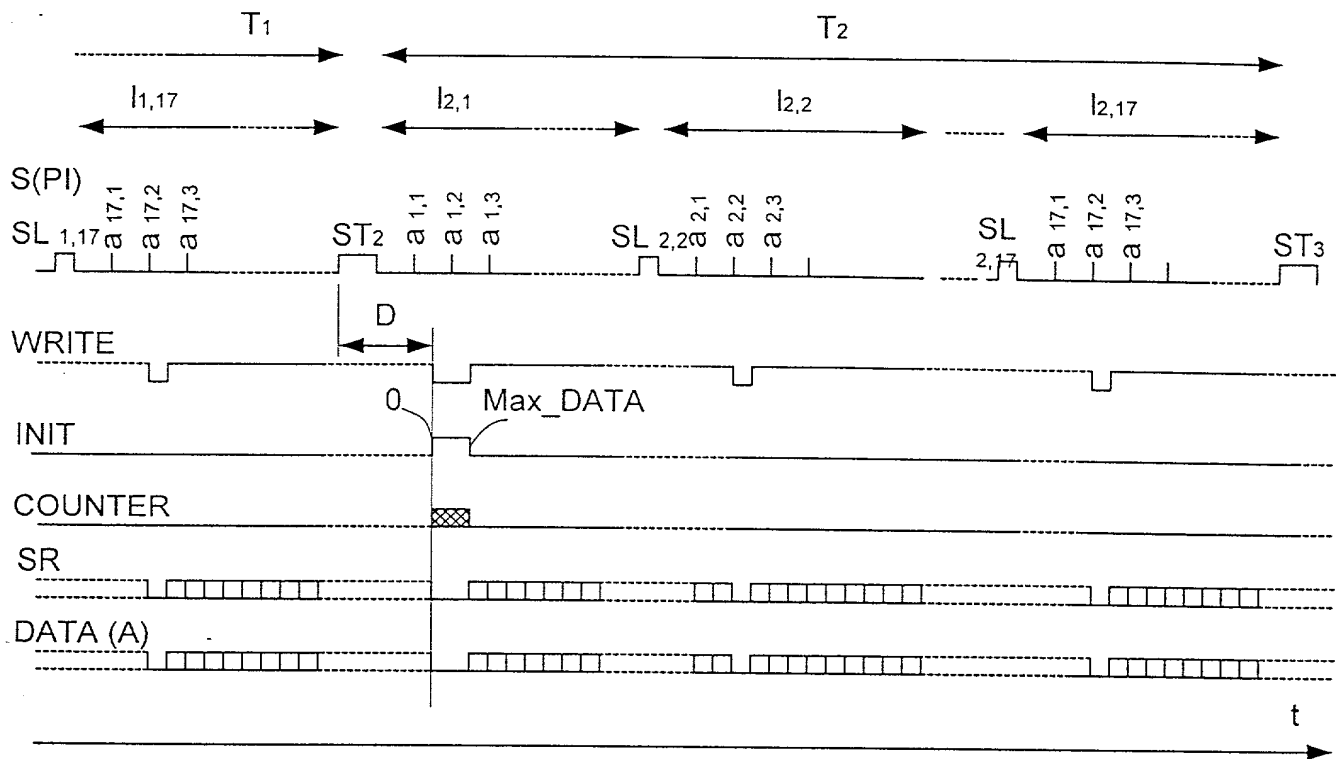


FIG. 2

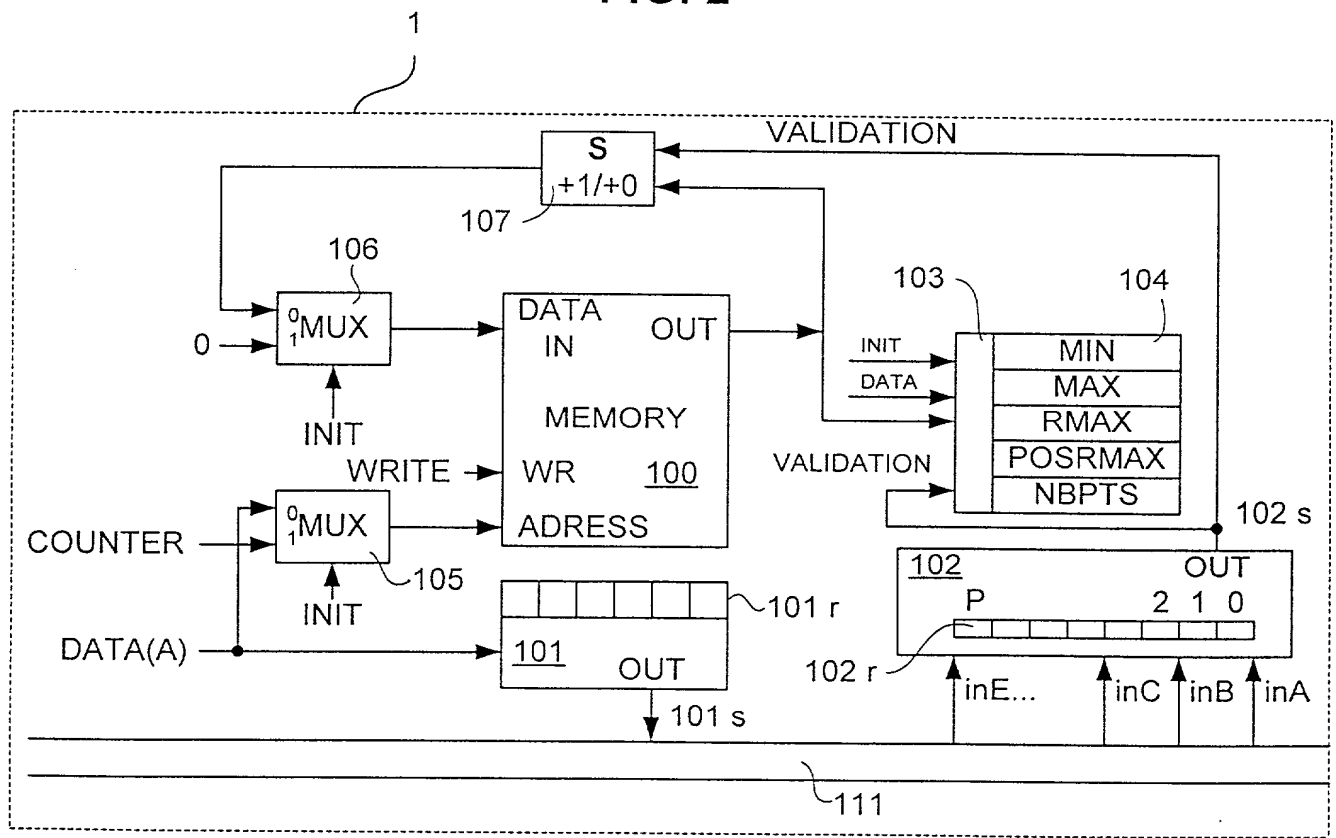
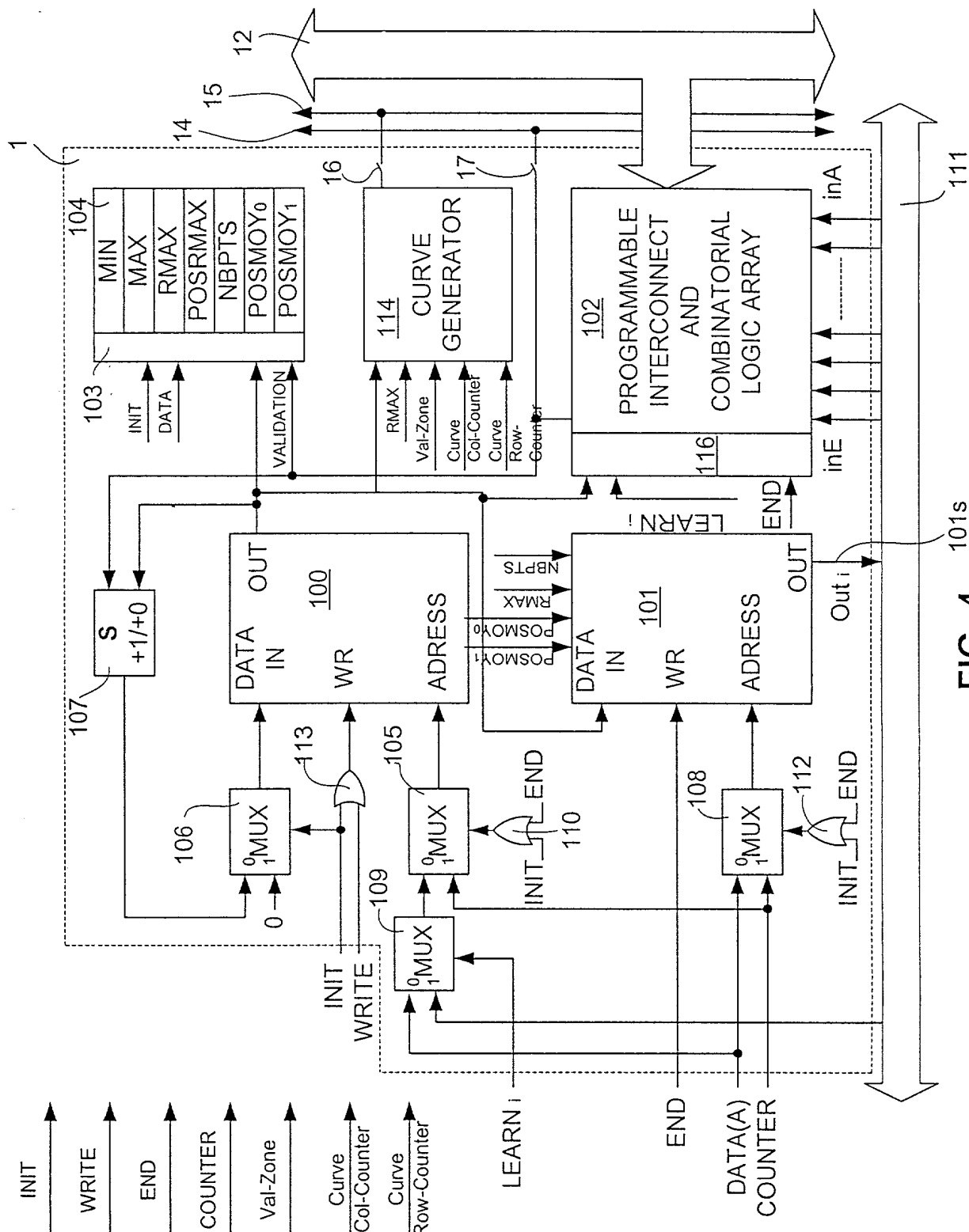


FIG. 3



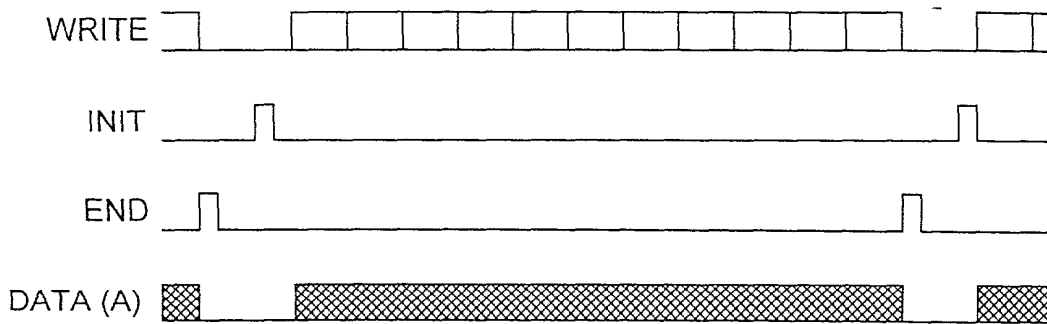


FIG. 5

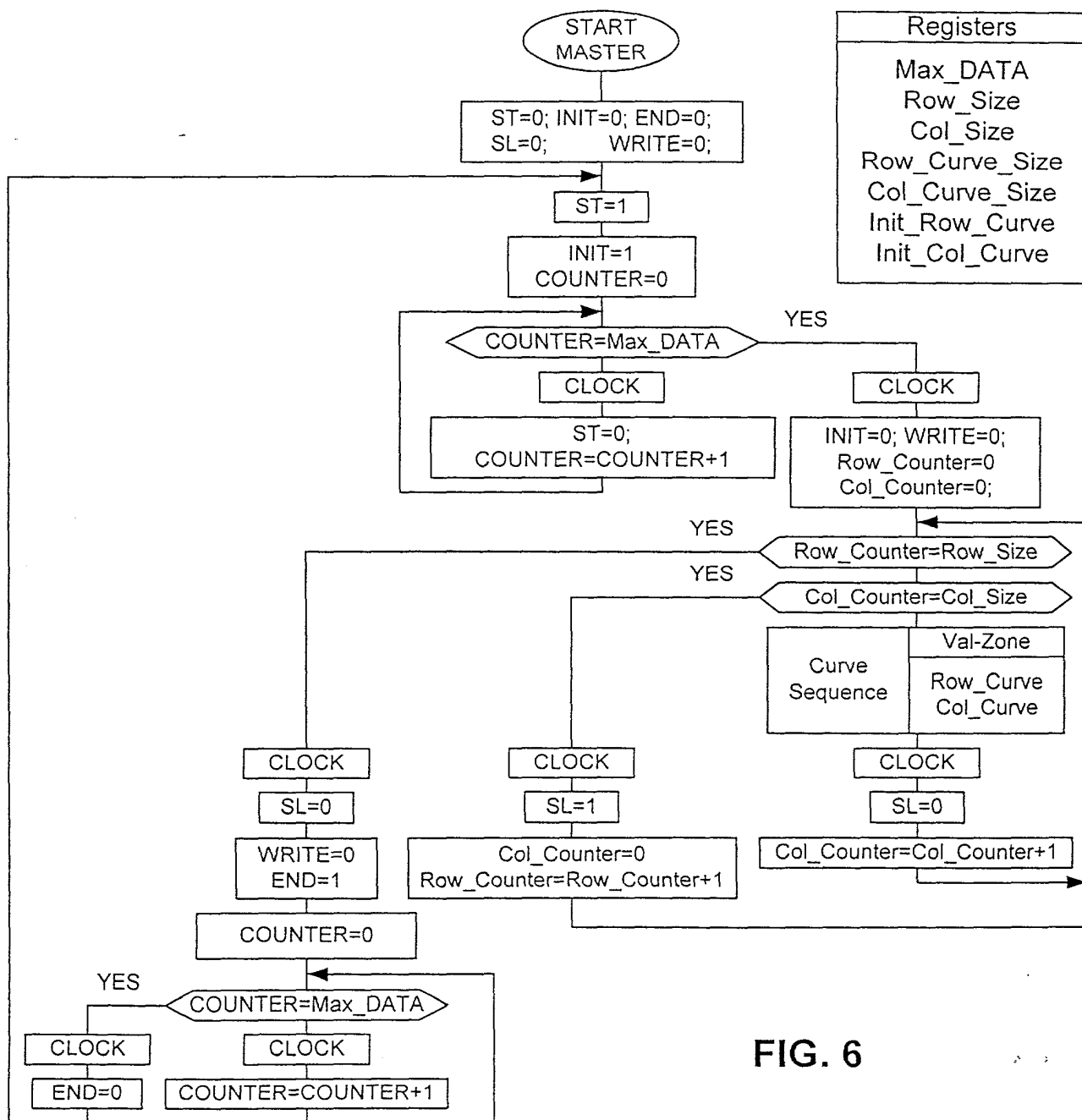


FIG. 6

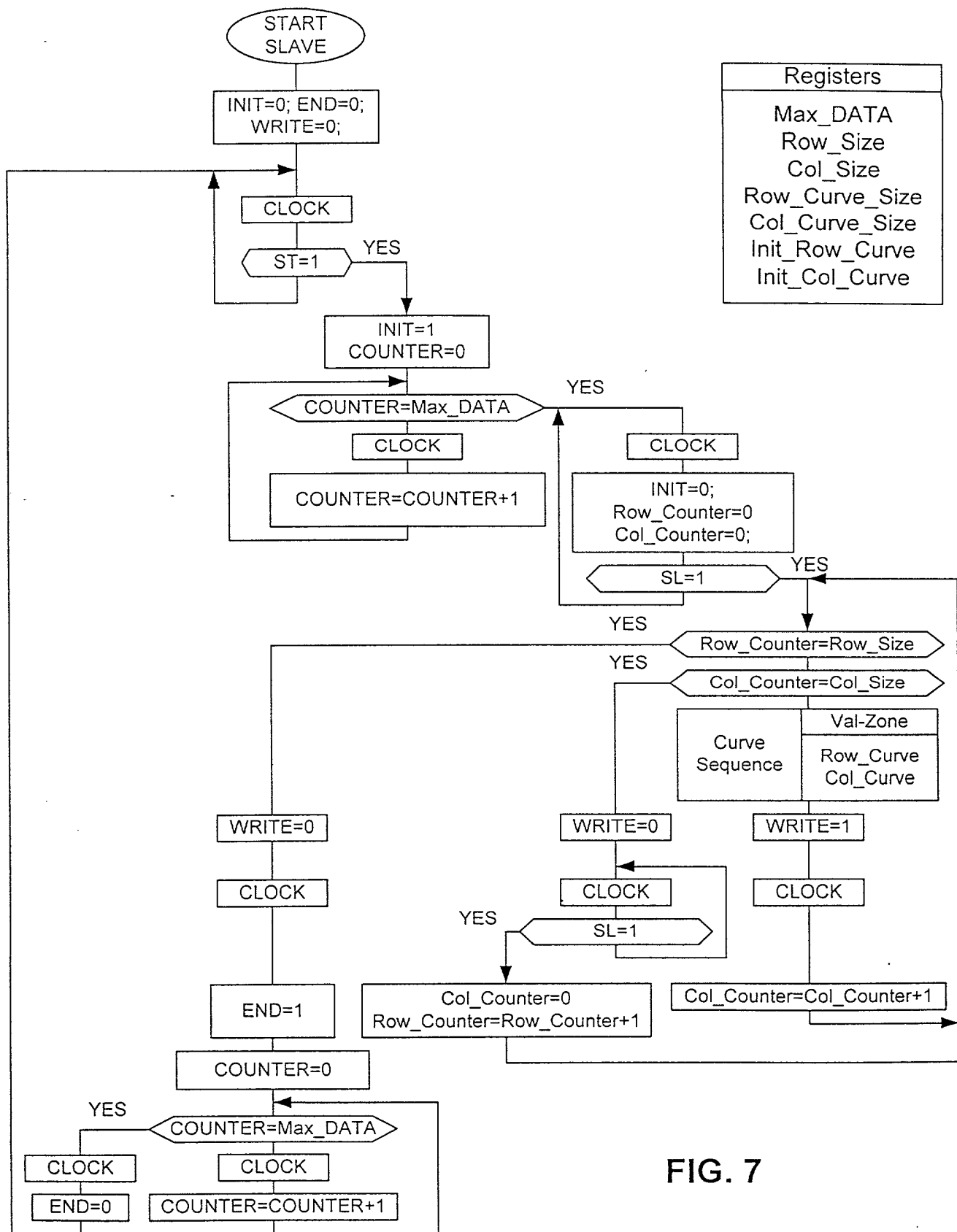
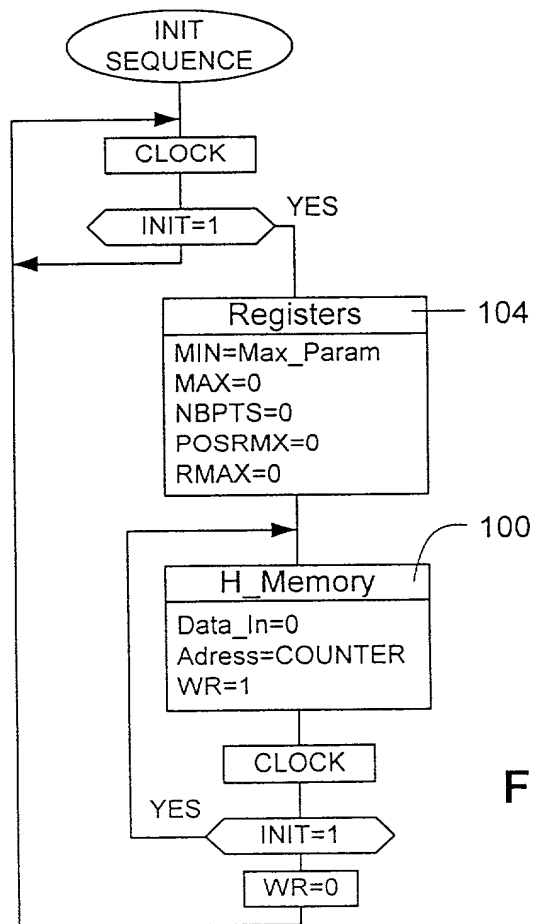
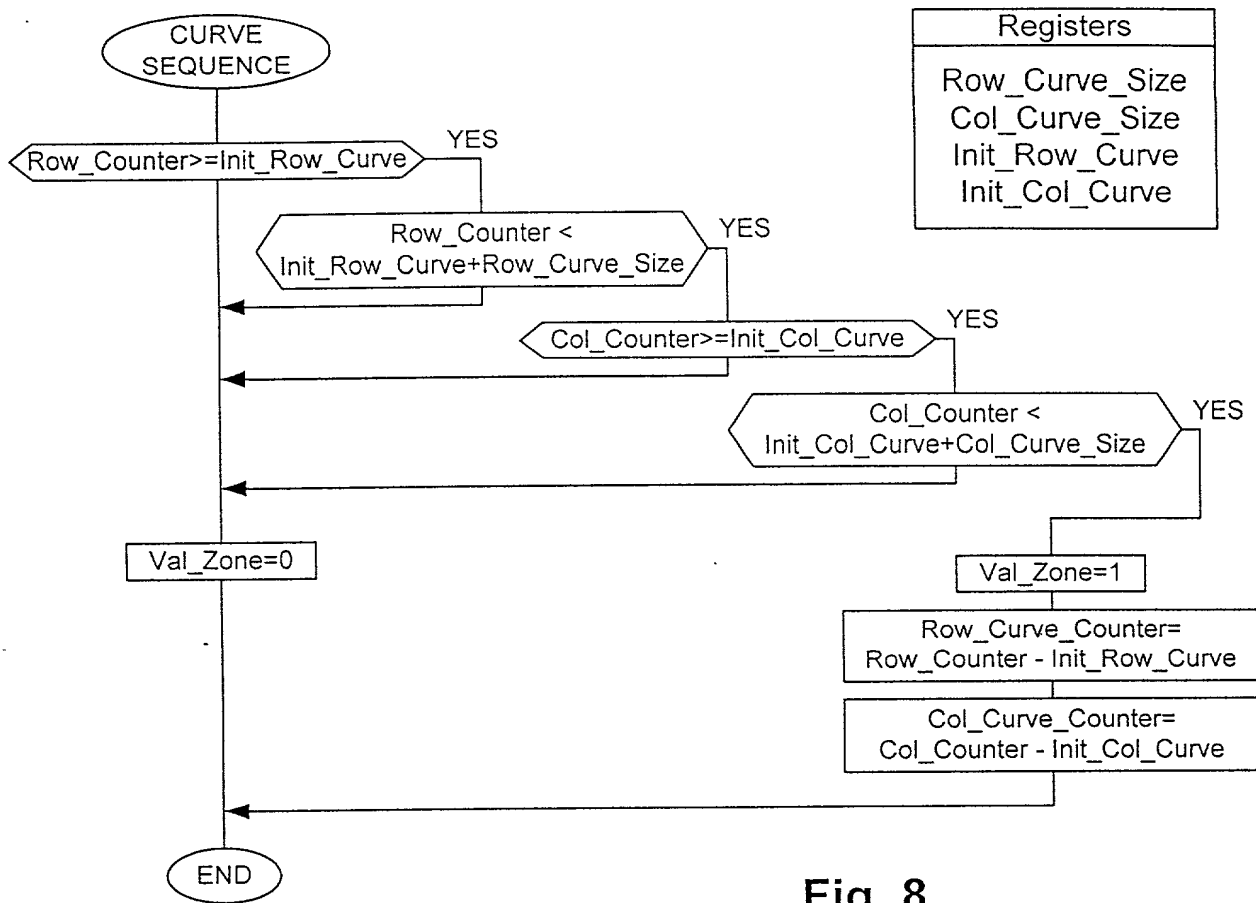


FIG. 7



```

graph TD
    Start([STAT. COMPUTATION]) --> Clock1[CLOCK]
    Clock1 --> Write1{WRITE=1}
    Write1 -- YES --> H_Memory[100  
Data_In=Data_Out + Validation  
Adress=DATA (A)  
WR=1]
    H_Memory --> Classifier[101  
Data_Out=Resul_Memory  
Adress=DATA (A)  
WR=0]
    Classifier --> Min{MIN > DATA (A)}
    Min -- YES --> MinAssign[104  
MIN=DATA (A)]
    MinAssign --> Max{MAX < DATA (A)}
    Max -- YES --> MaxAssign[104  
MAX=DATA (A)]
    MaxAssign --> Rmax{RMAX < Data_In}
    Rmax -- YES --> RmaxAssign[104  
RMAX=Data_In  
POSRMX=DATA (A)]
    RmaxAssign --> Valid{Validation=1}
    Valid -- YES --> Nbpts[104  
NBPTS=NBPTS+1]
    Nbpts --> Clock2[CLOCK]
    Clock2 --> Write2{WRITE=1}
    Write2 -- YES --> H_Memory
    Write2 -- NO --> Start
  
```

**Fig. 10**

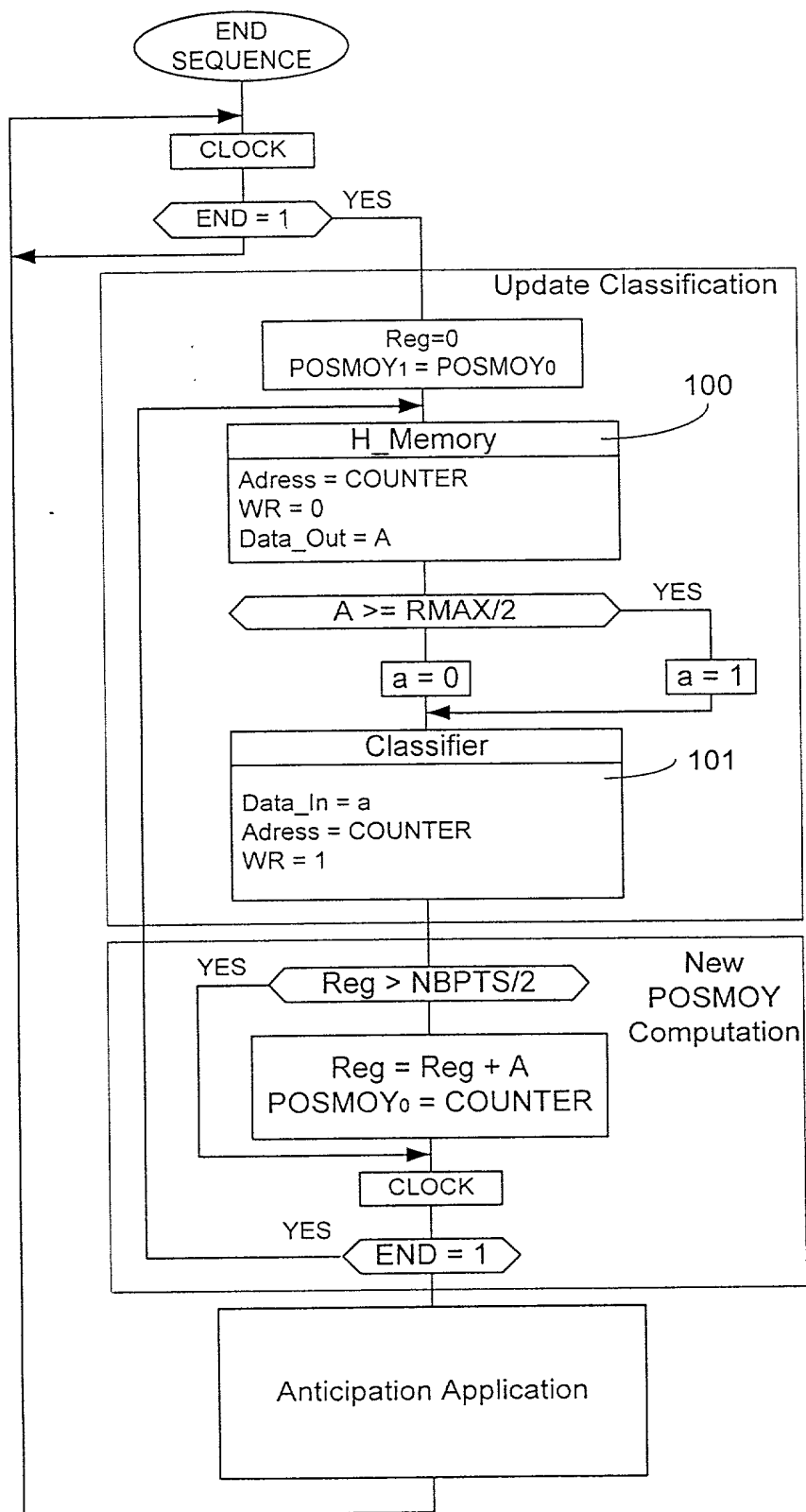


Fig. 11



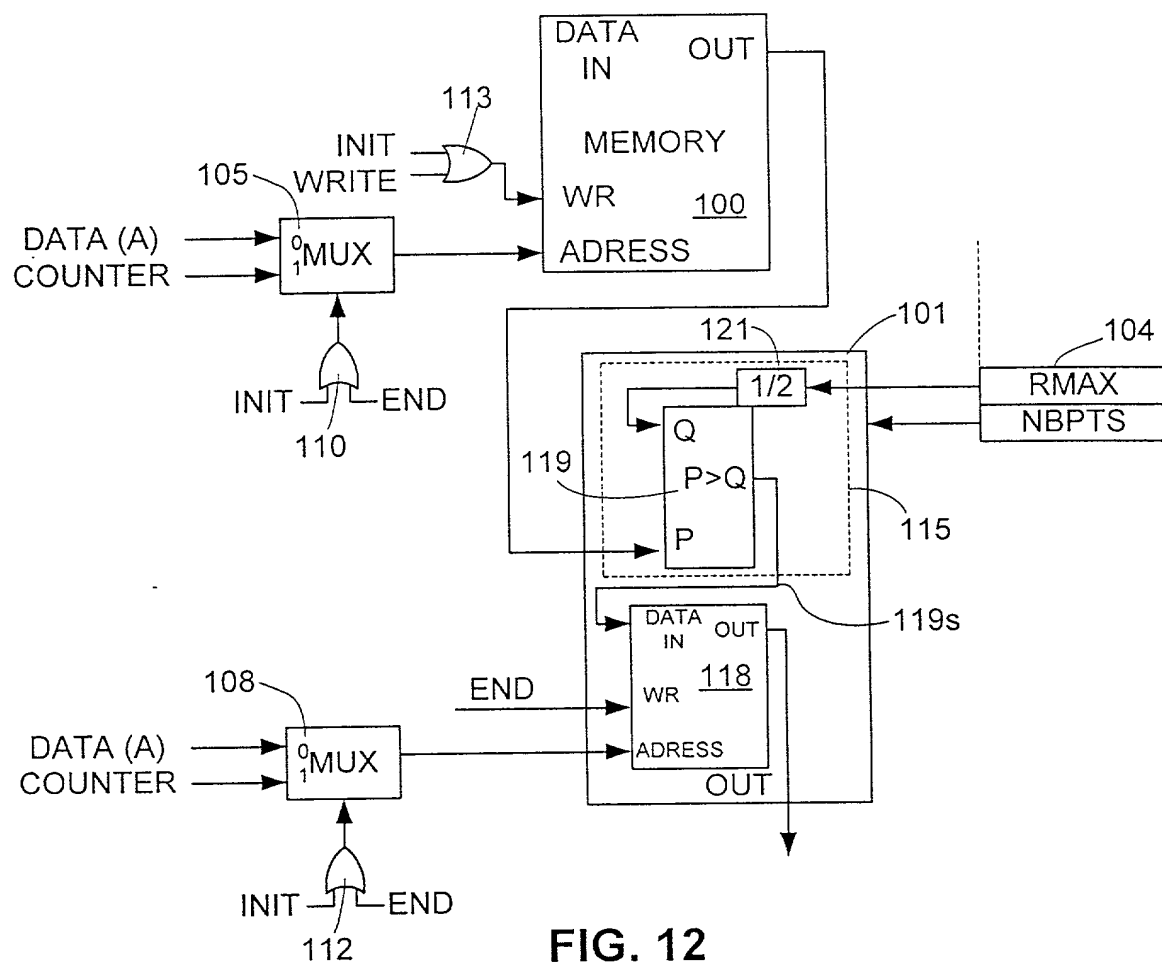


FIG. 12

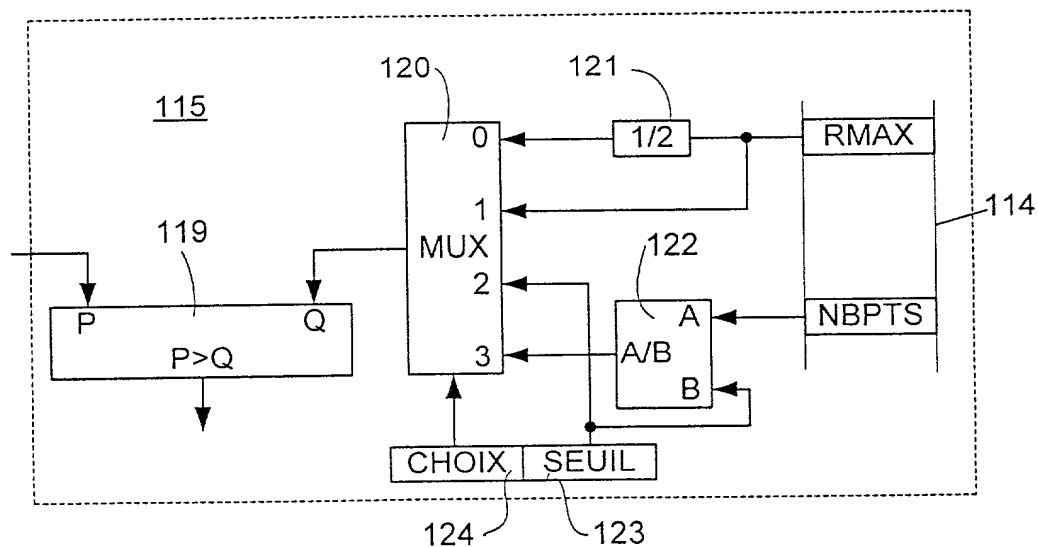


FIG. 13

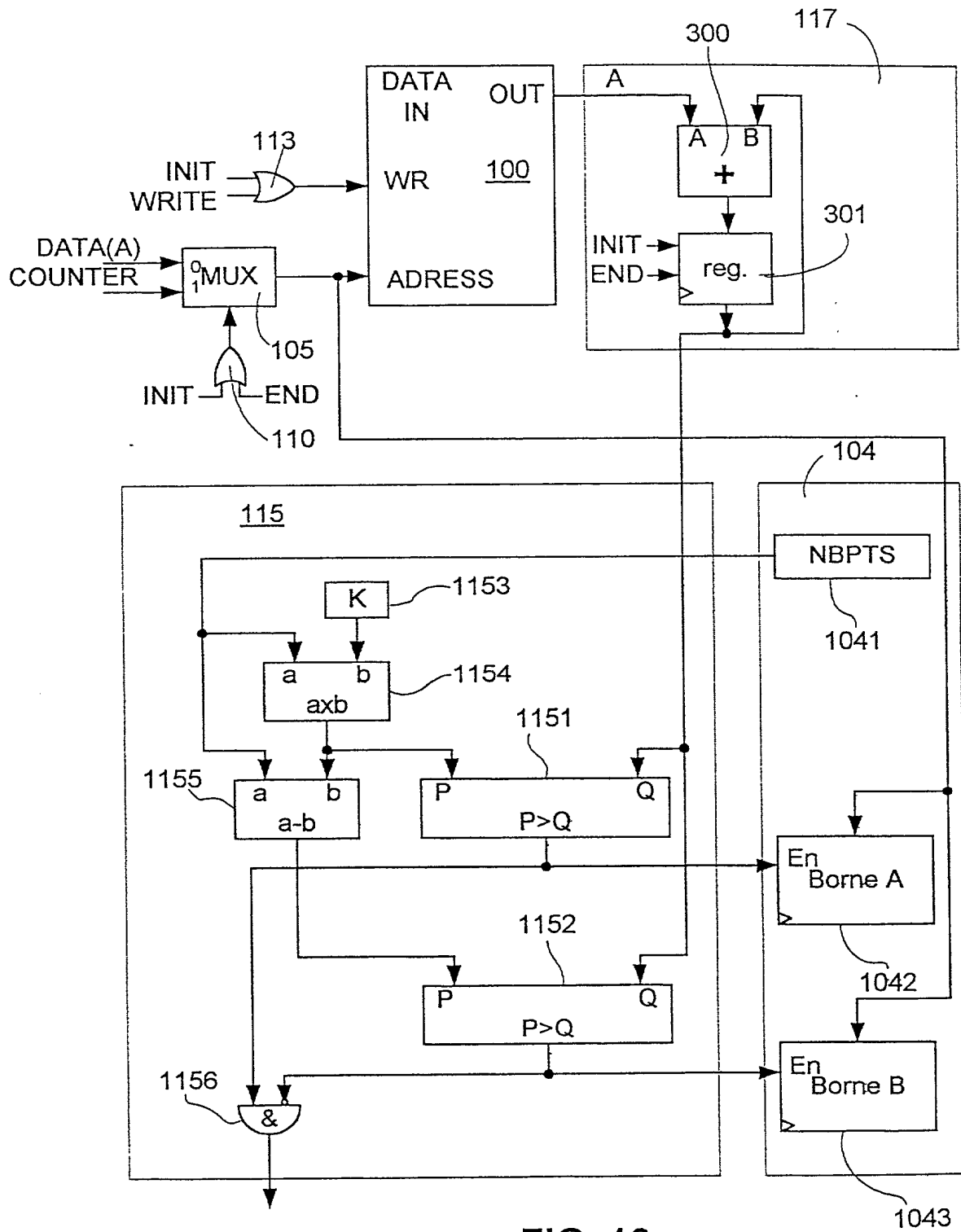
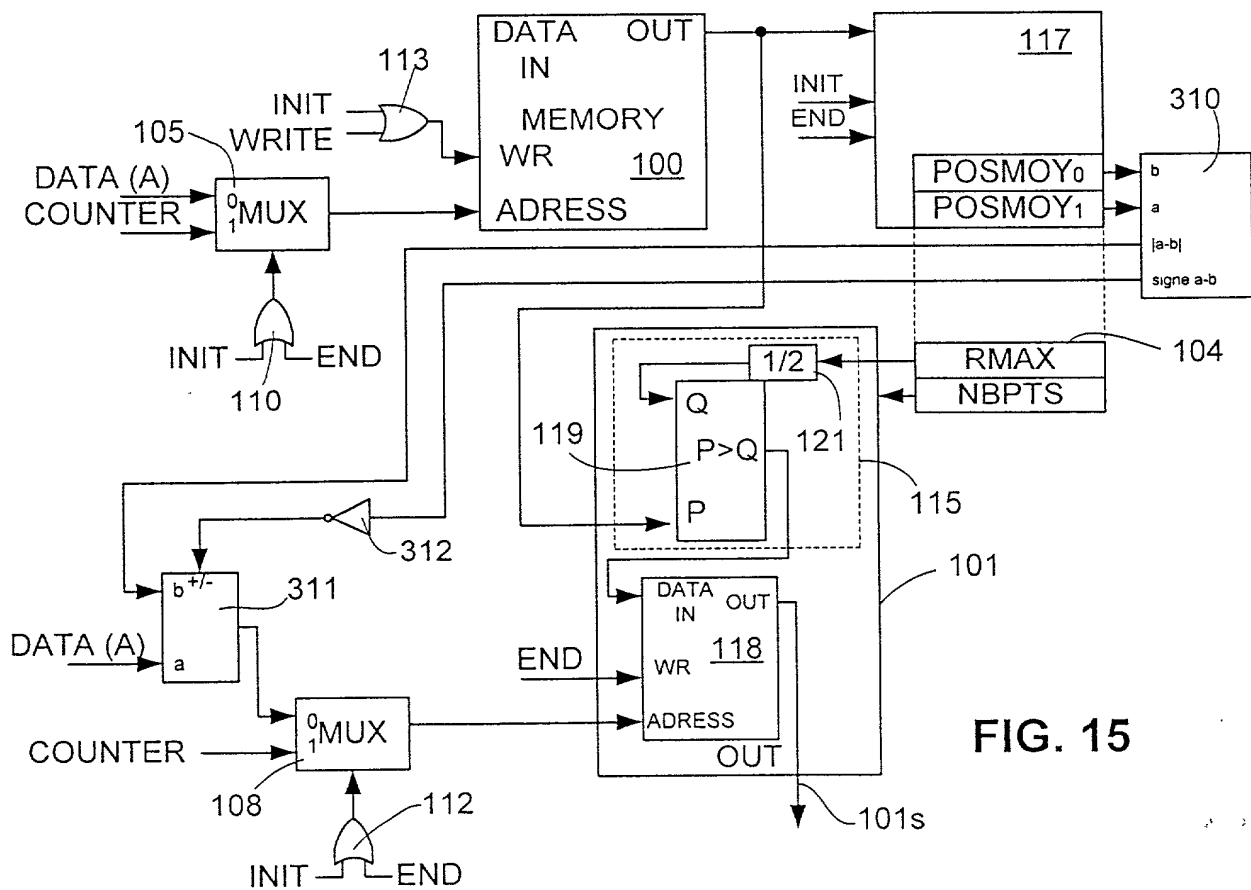
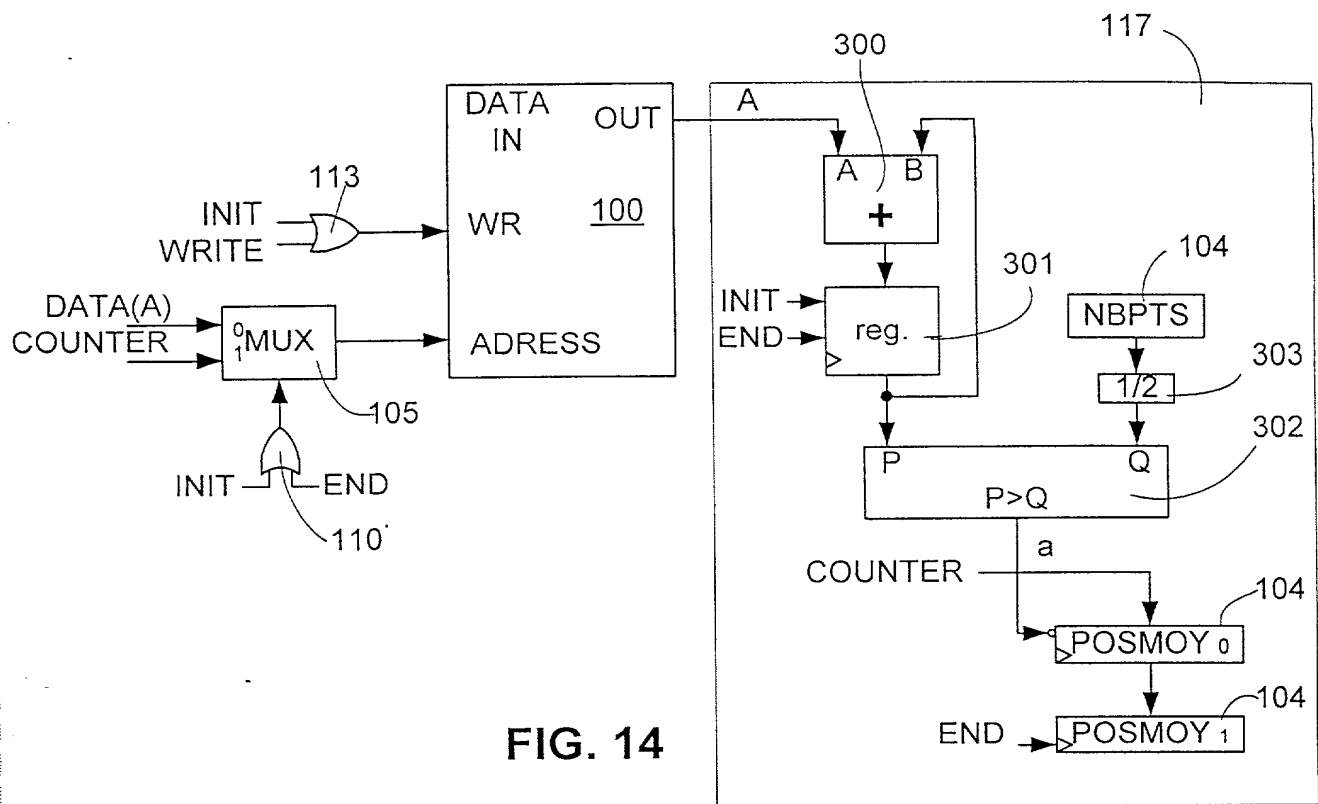


FIG. 13c



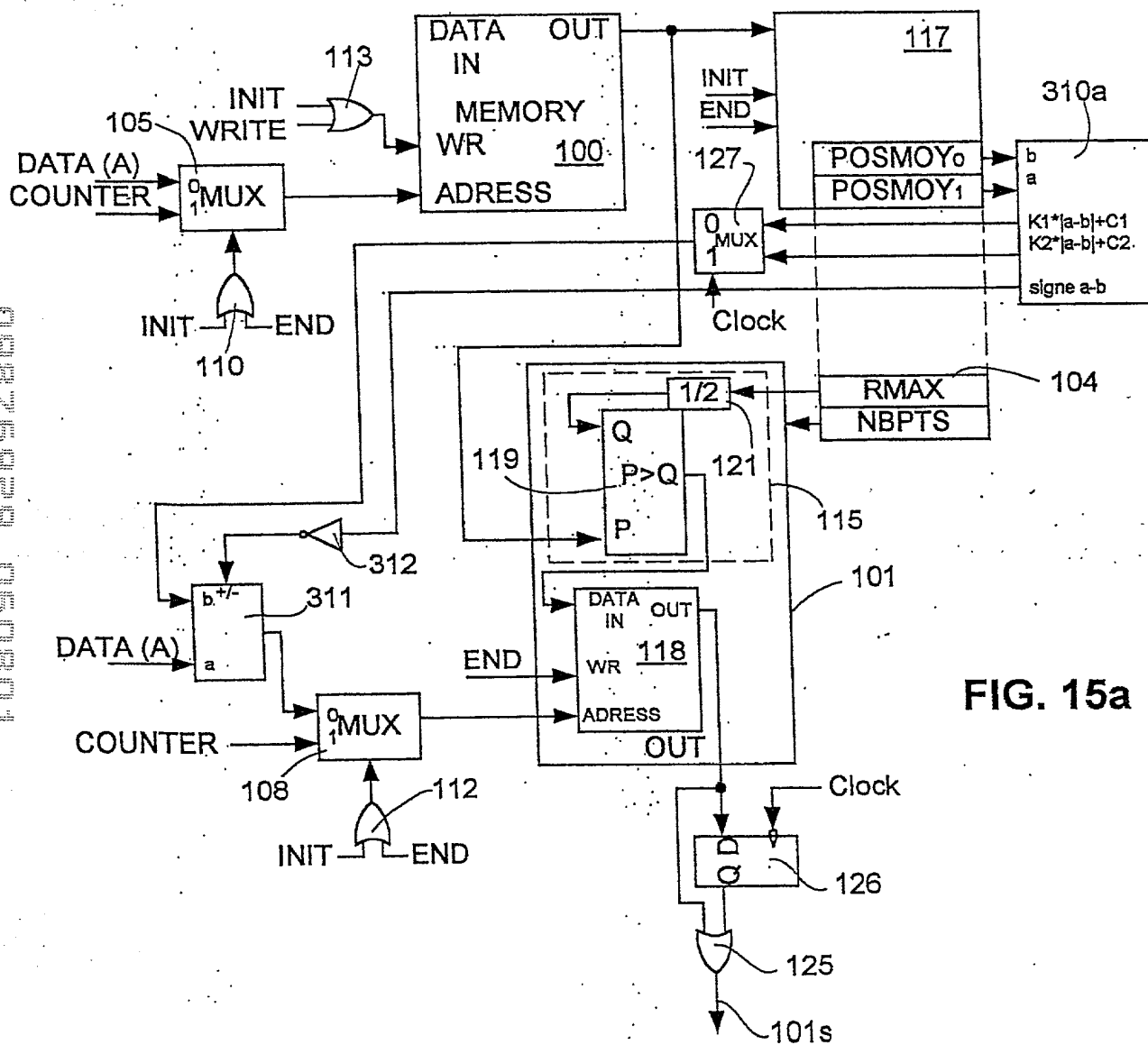


FIG. 15a

FIG. 16

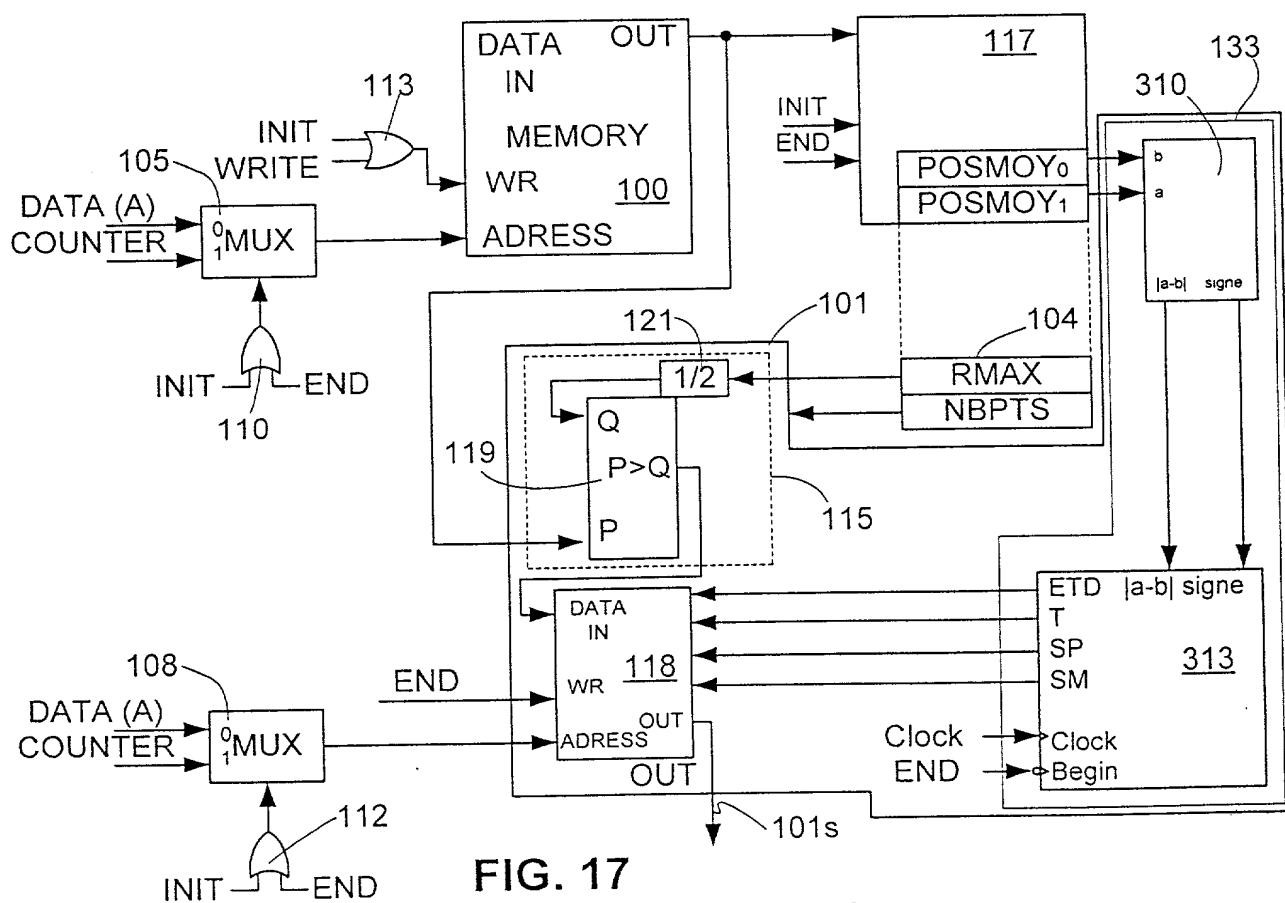
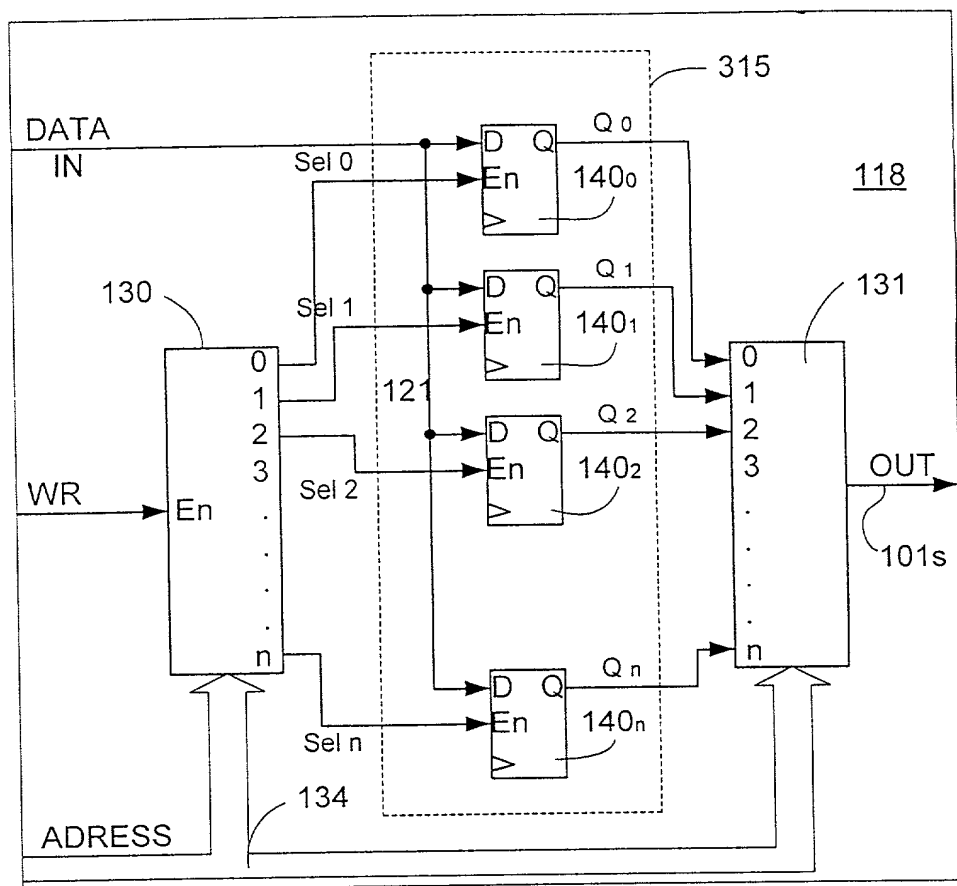


FIG. 17

FIG. 18

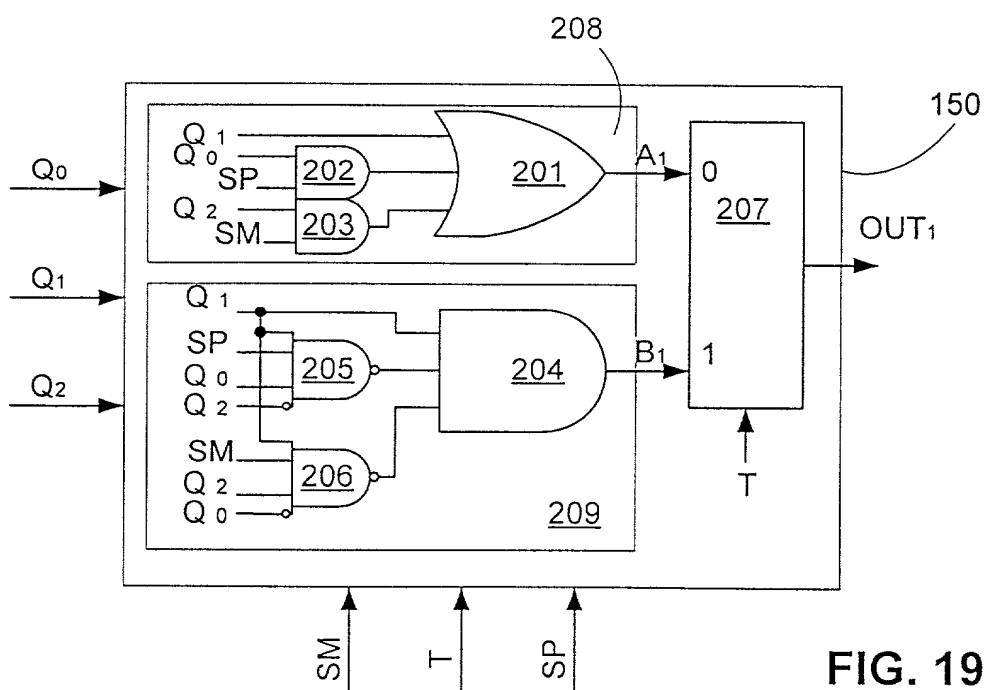
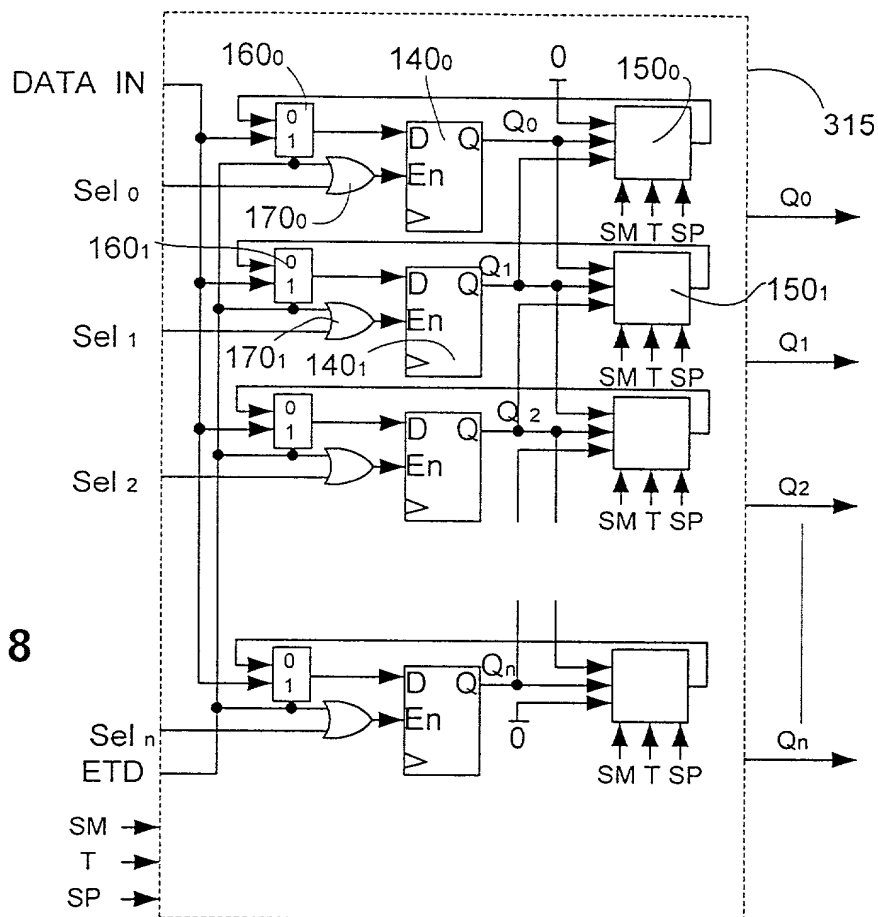


FIG. 19

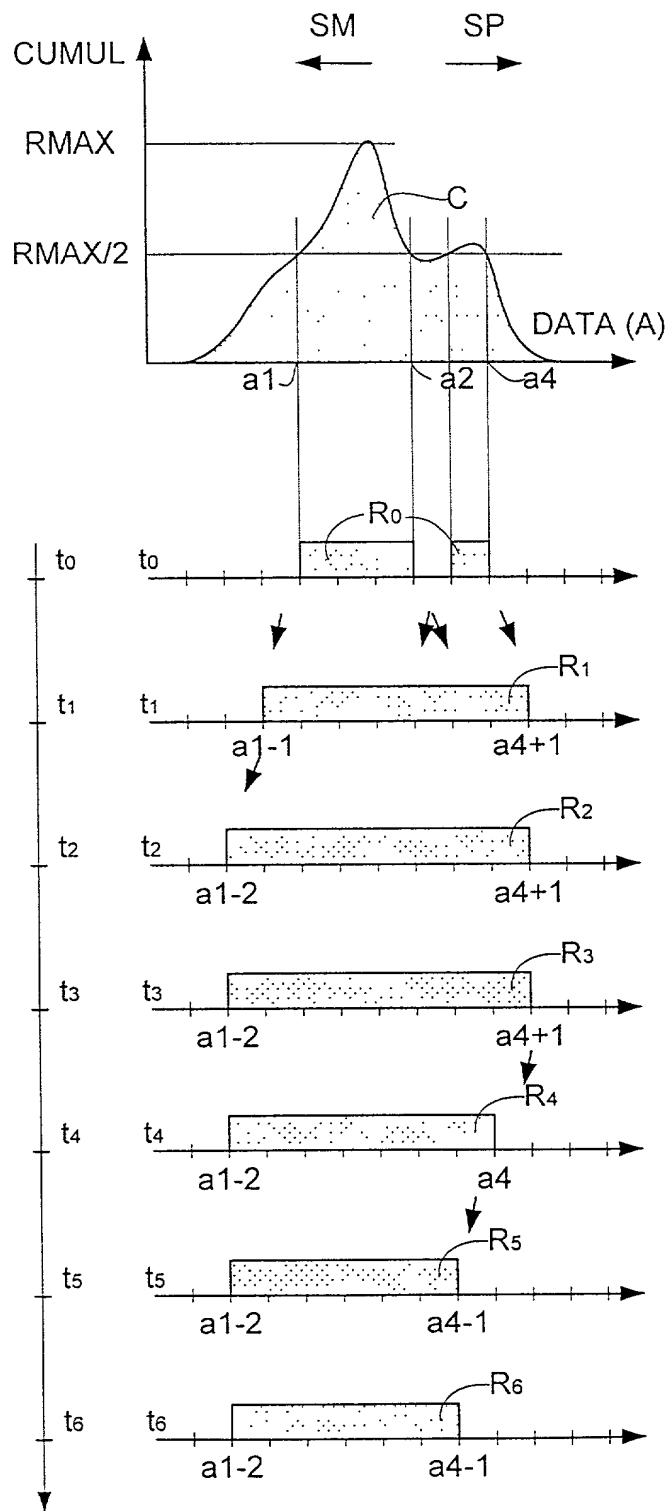
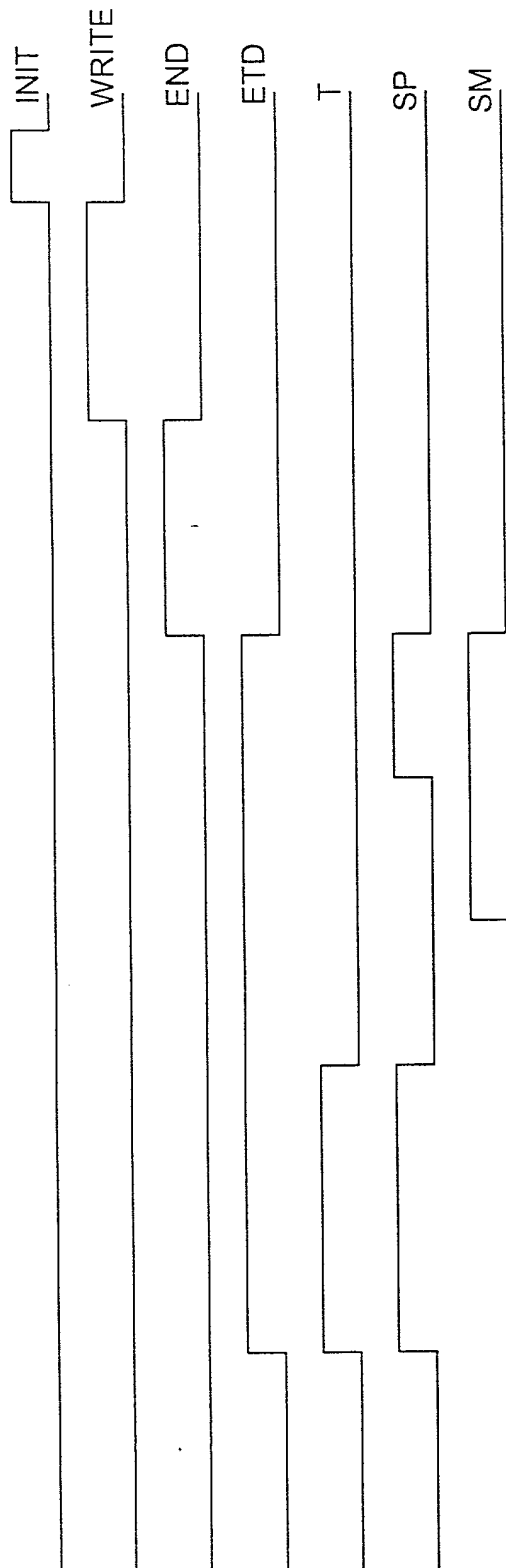
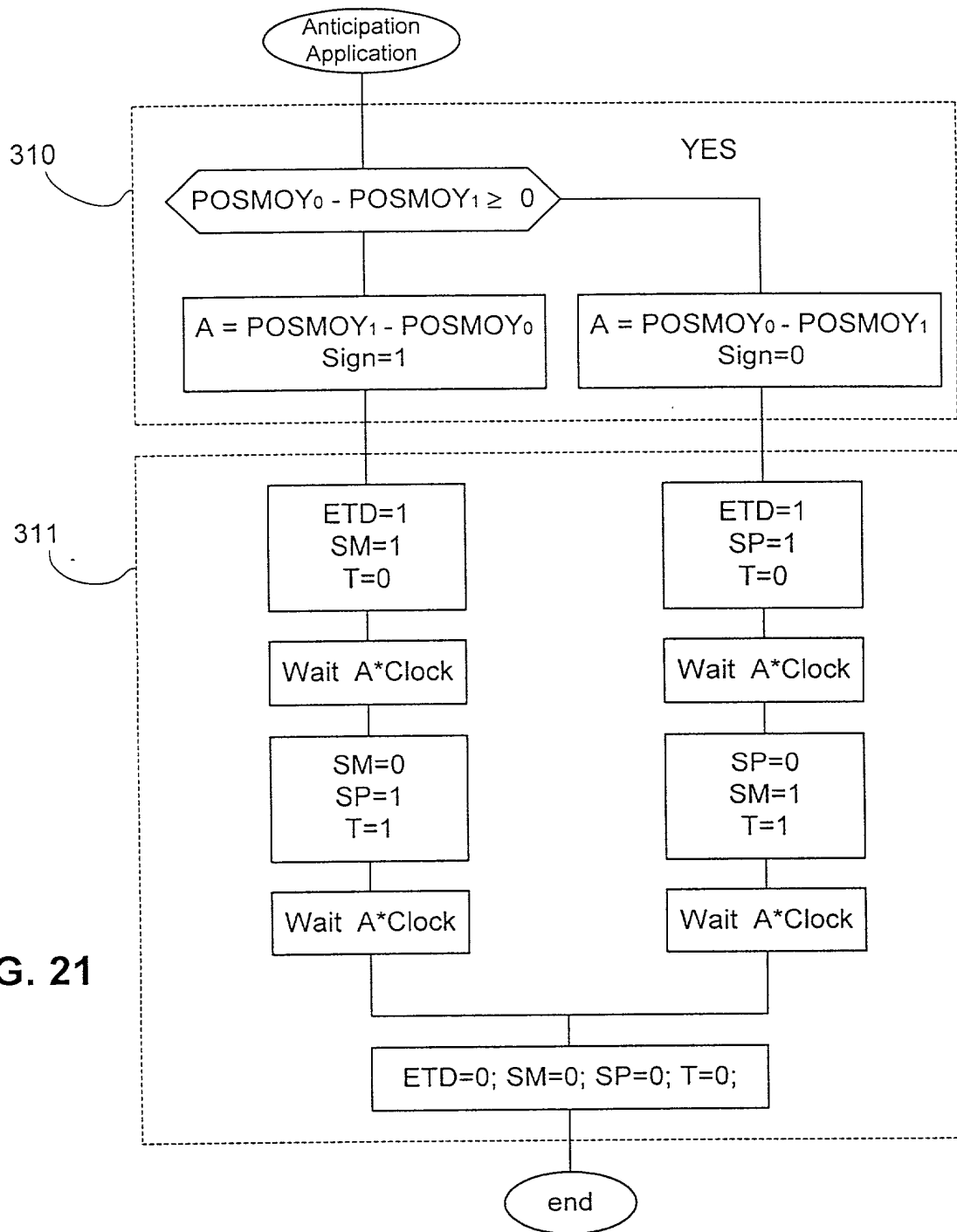


FIG. 20

FIG. 21





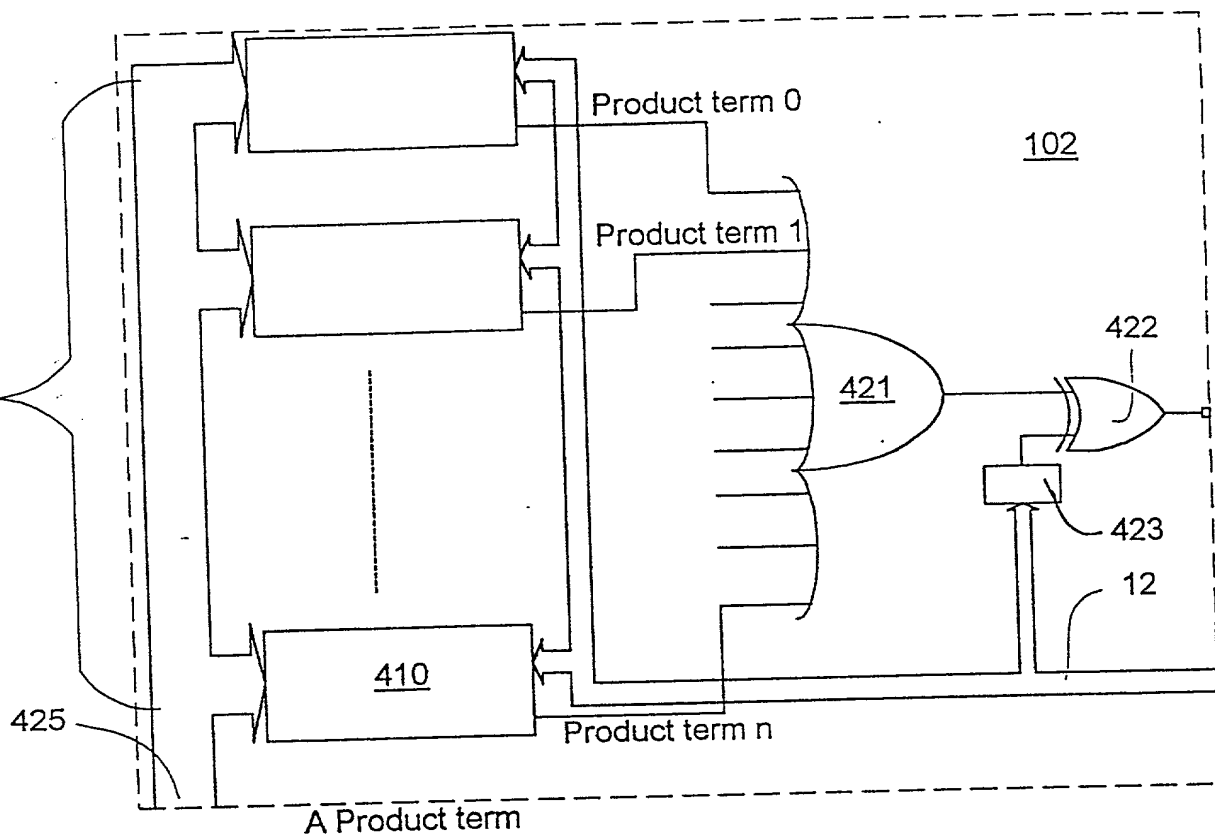


FIG. 22

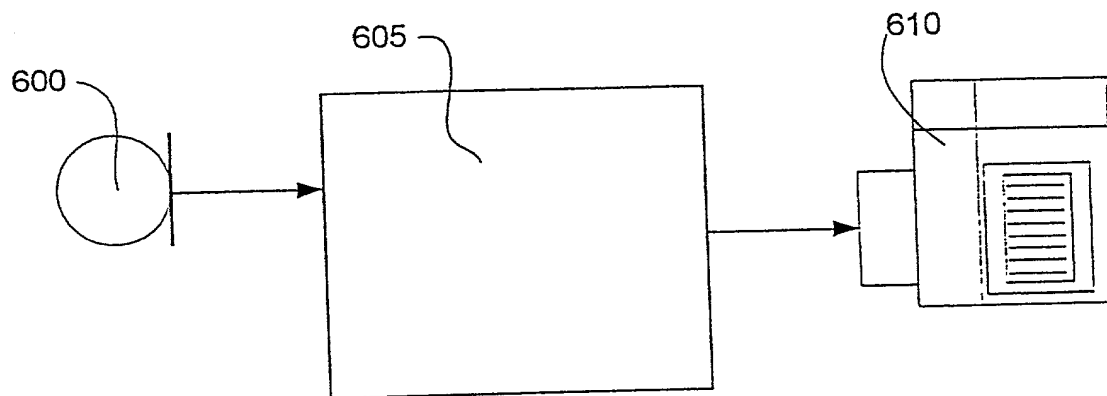


FIG. 39

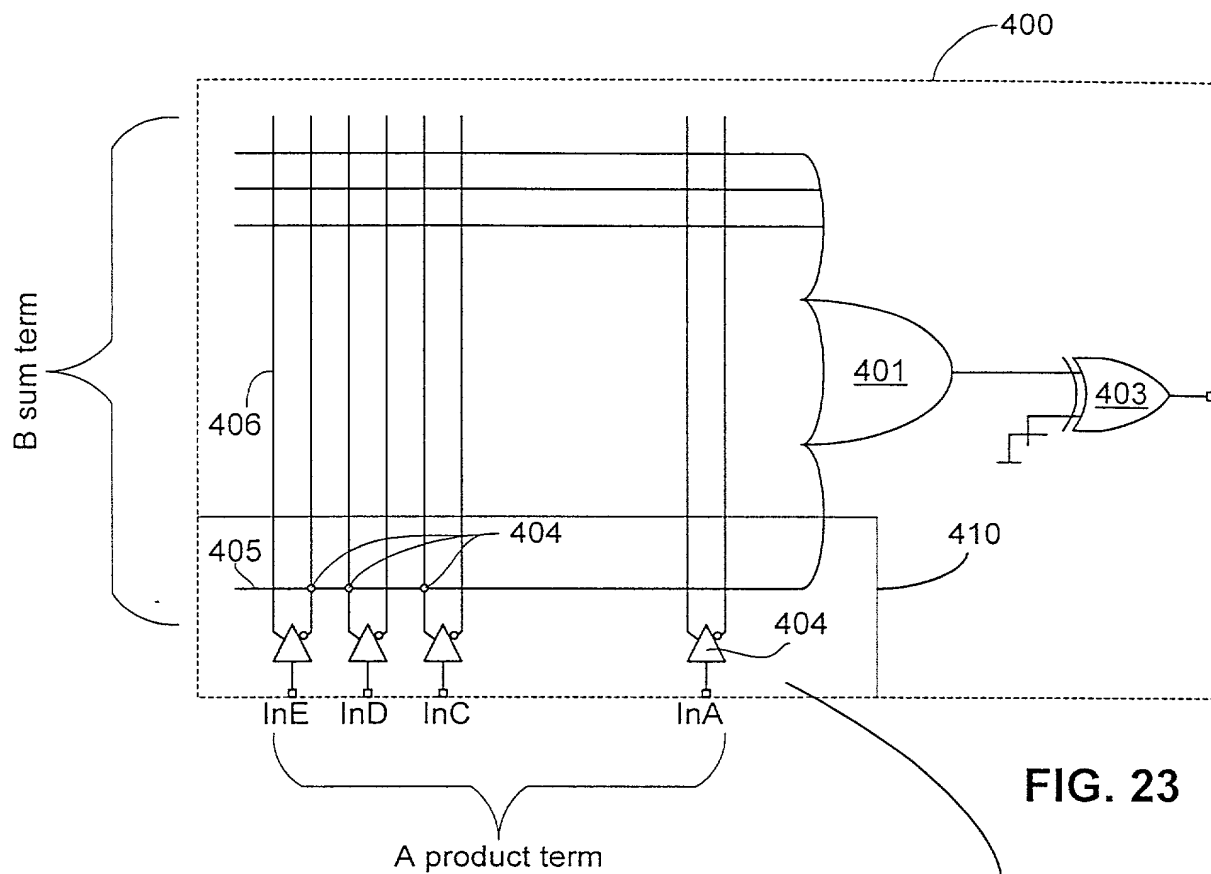


FIG. 23

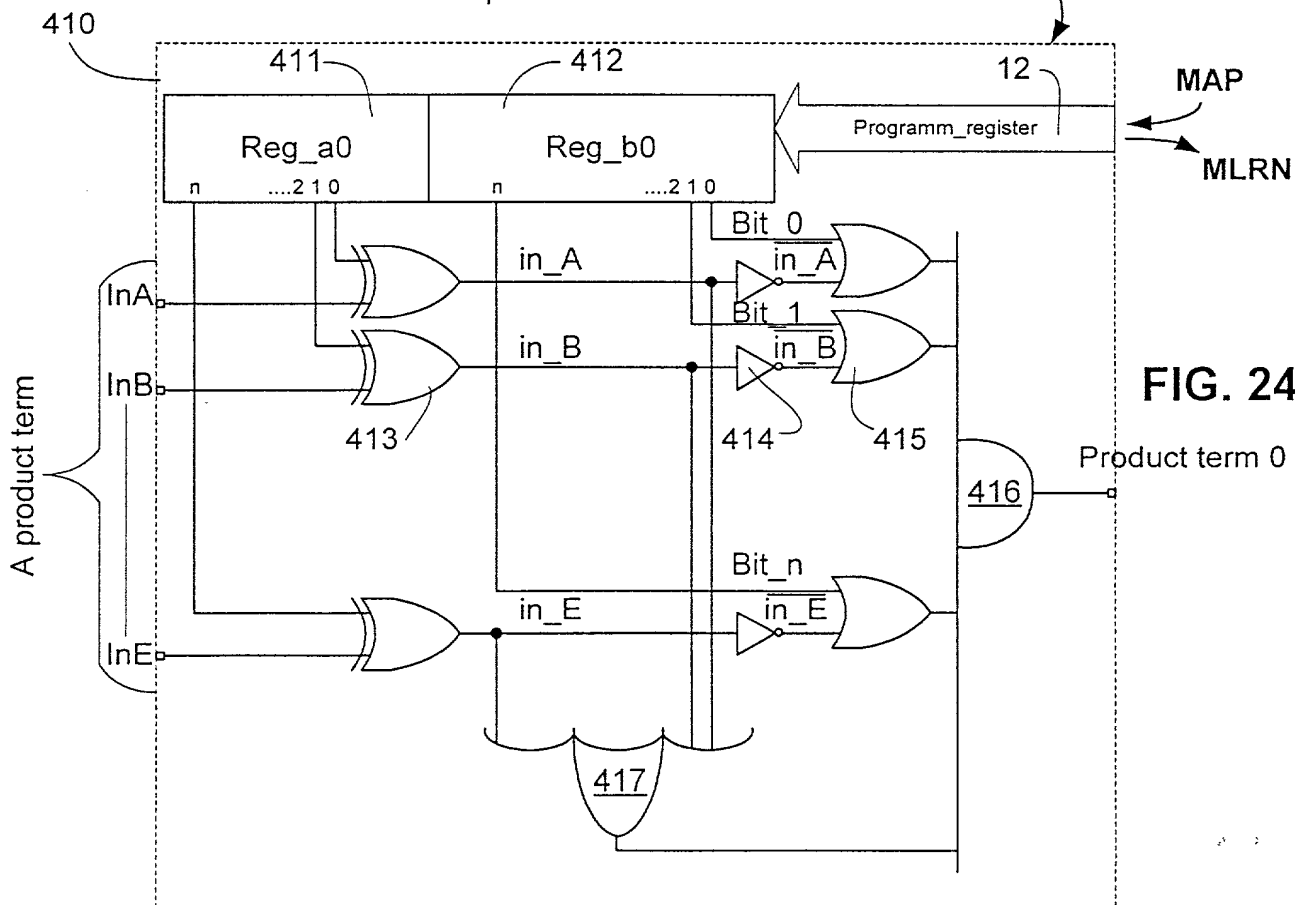
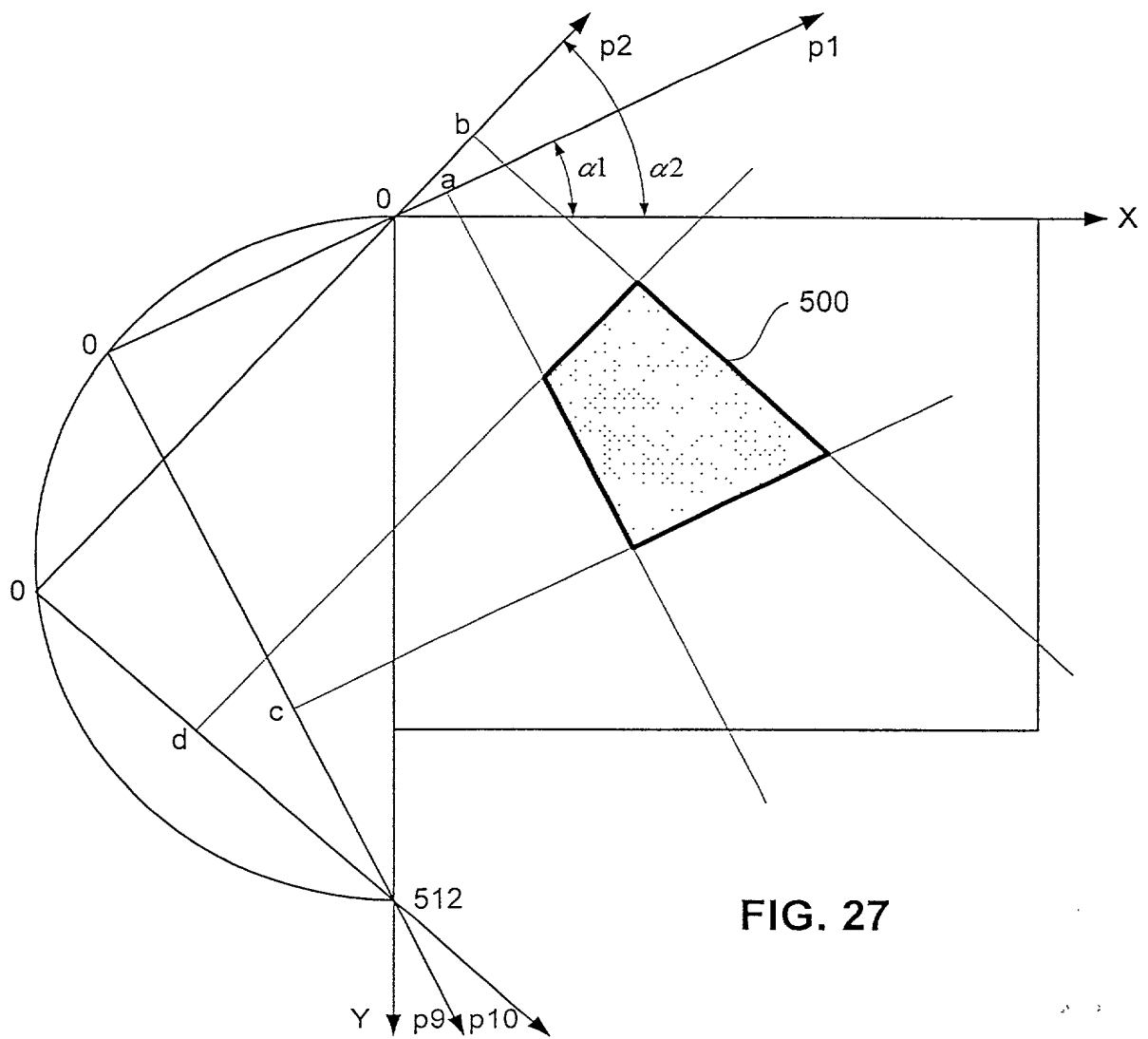
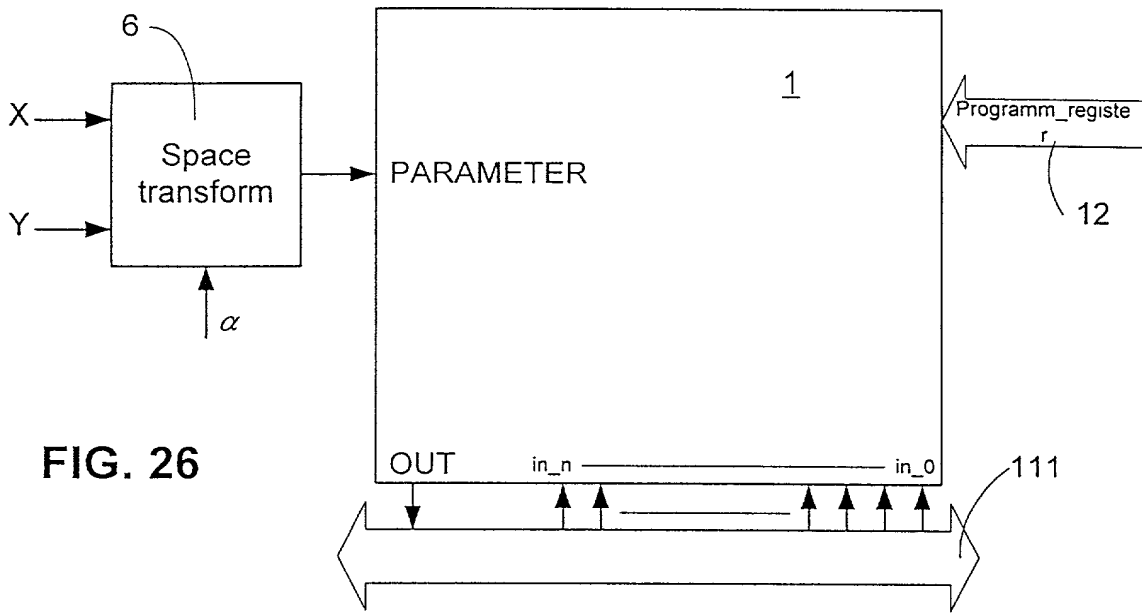
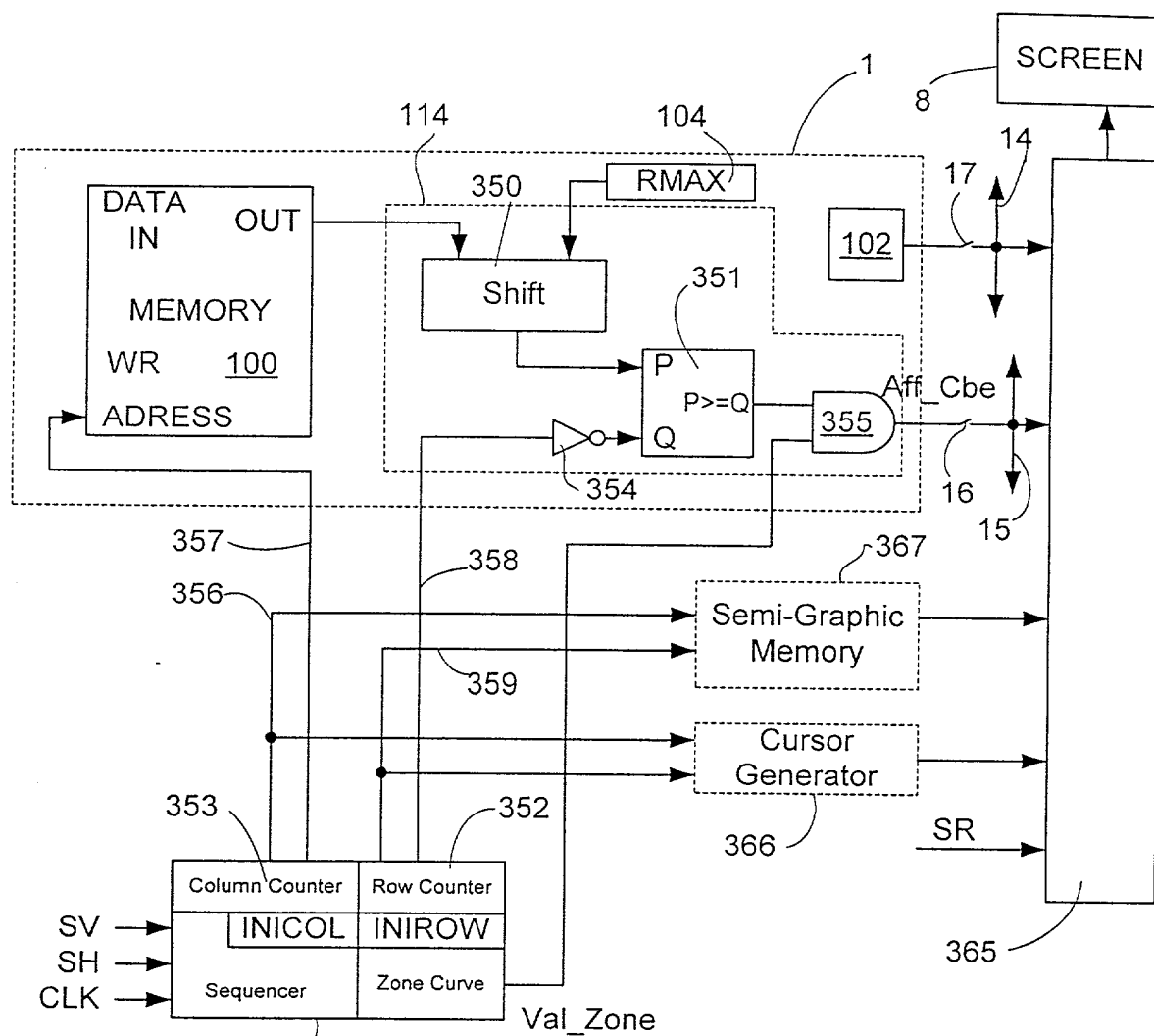


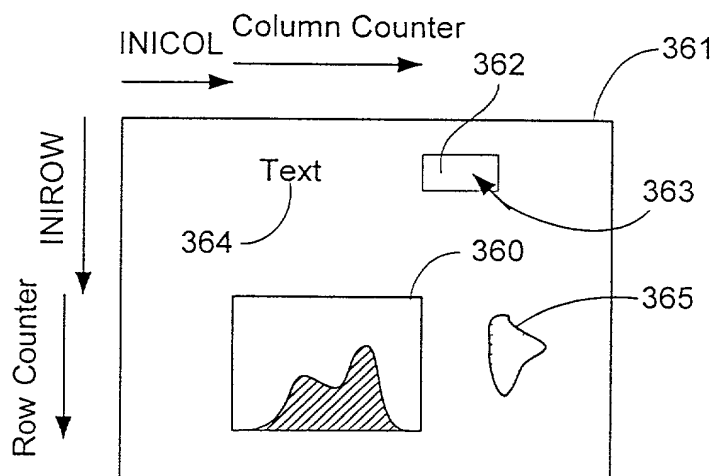
FIG. 24







**Fig. 28**



**Fig. 29**

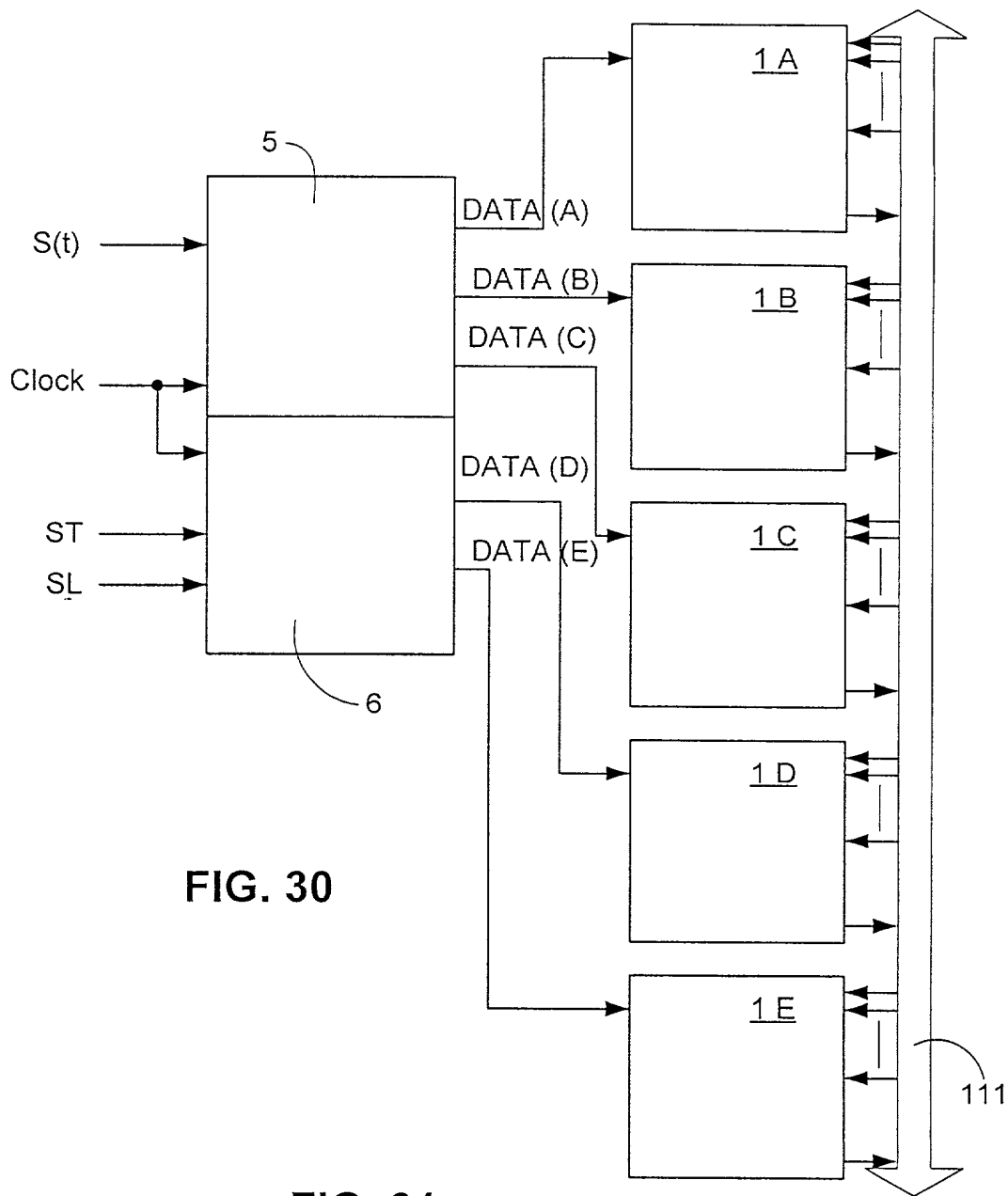
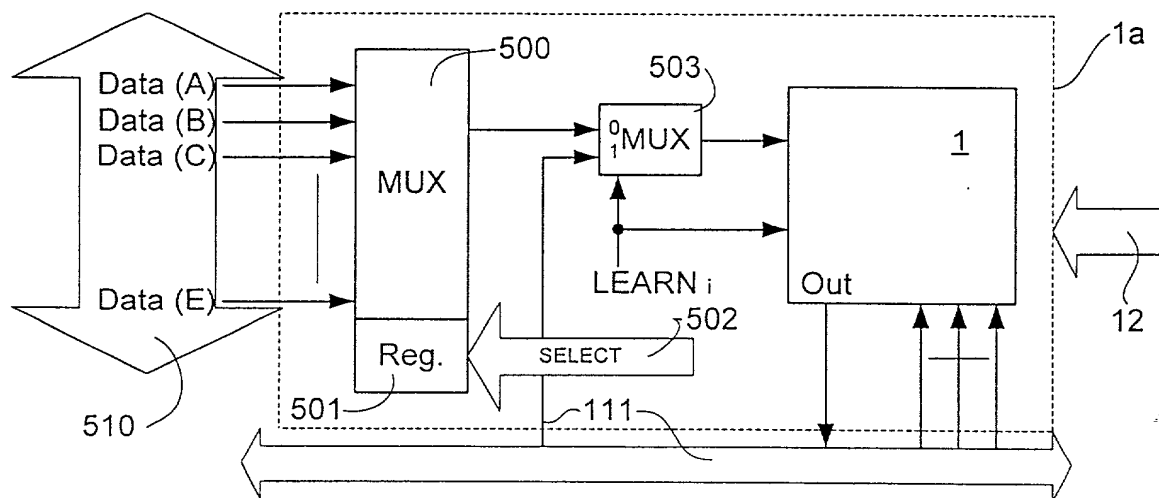


FIG. 30

FIG. 31



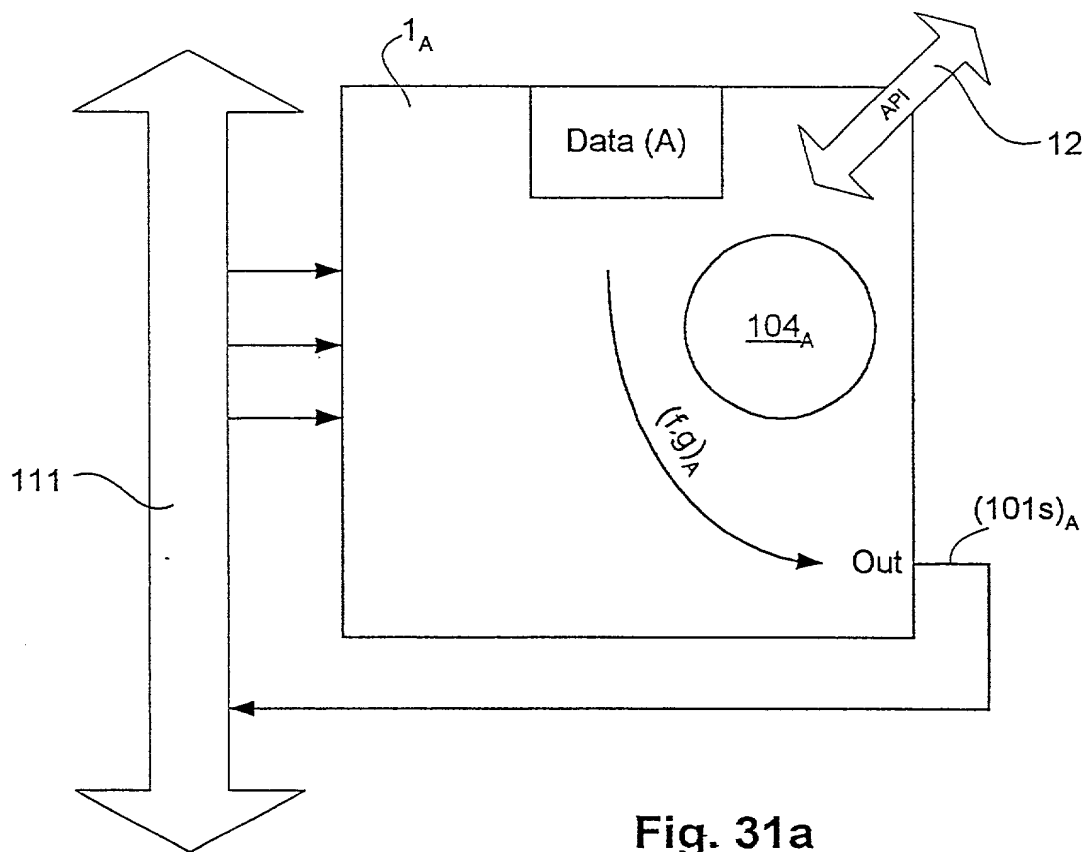


Fig. 31a

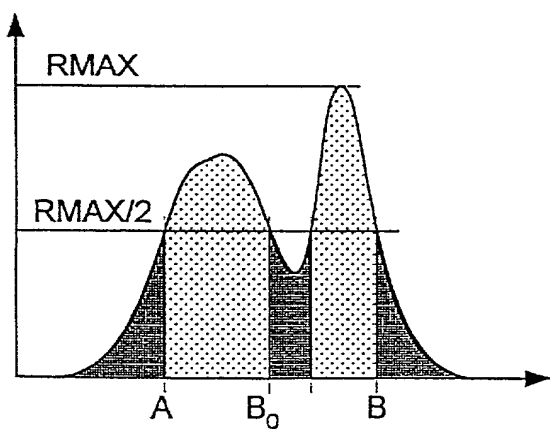


Fig 13a

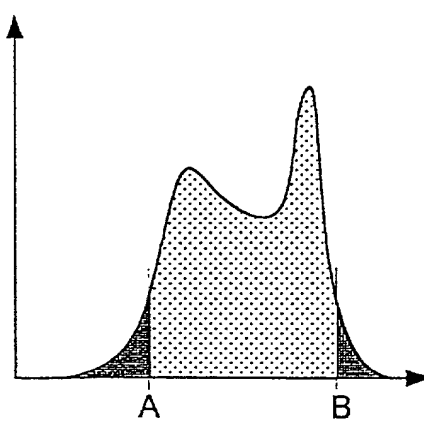


Fig 13b

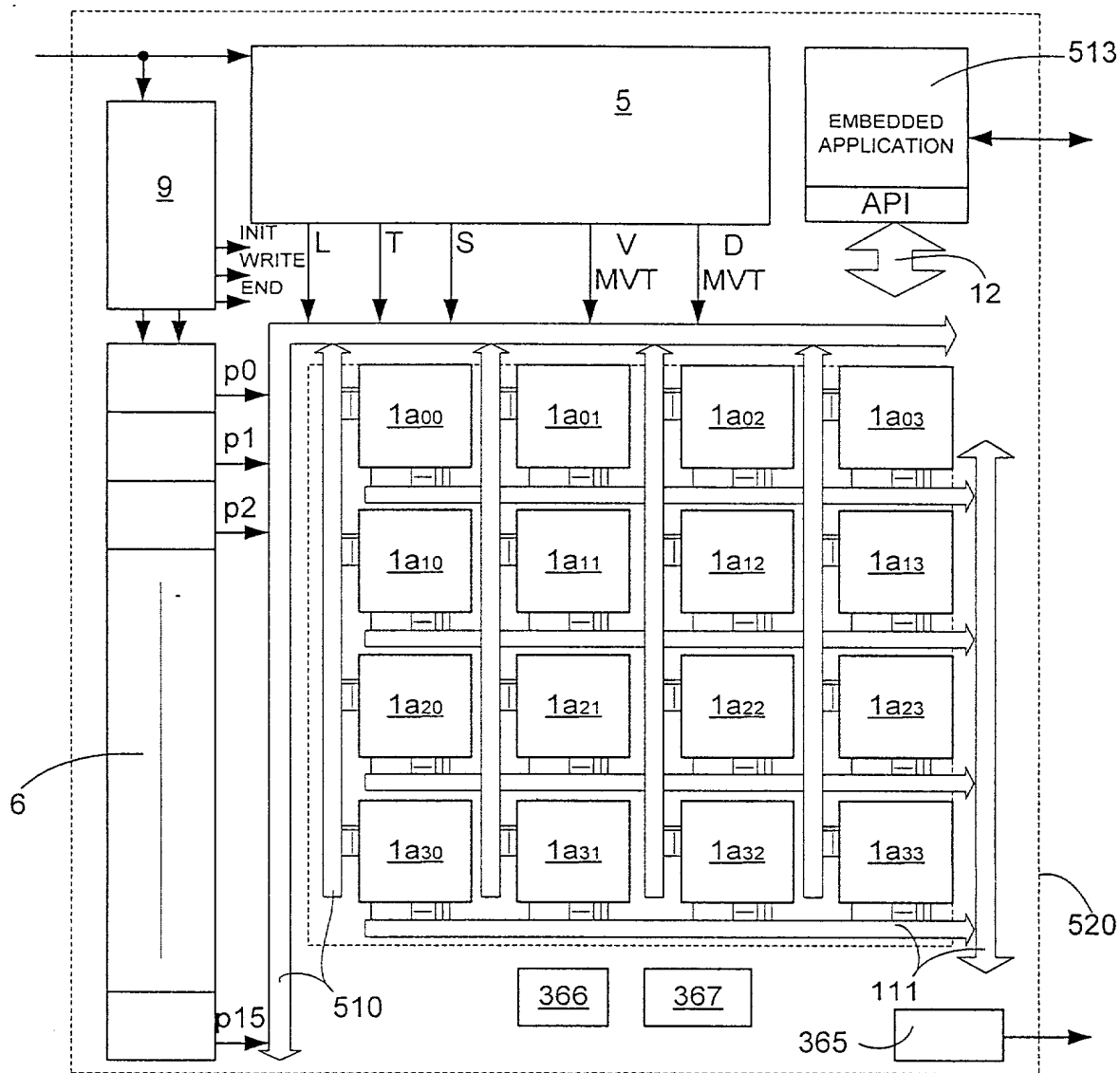


FIG. 32

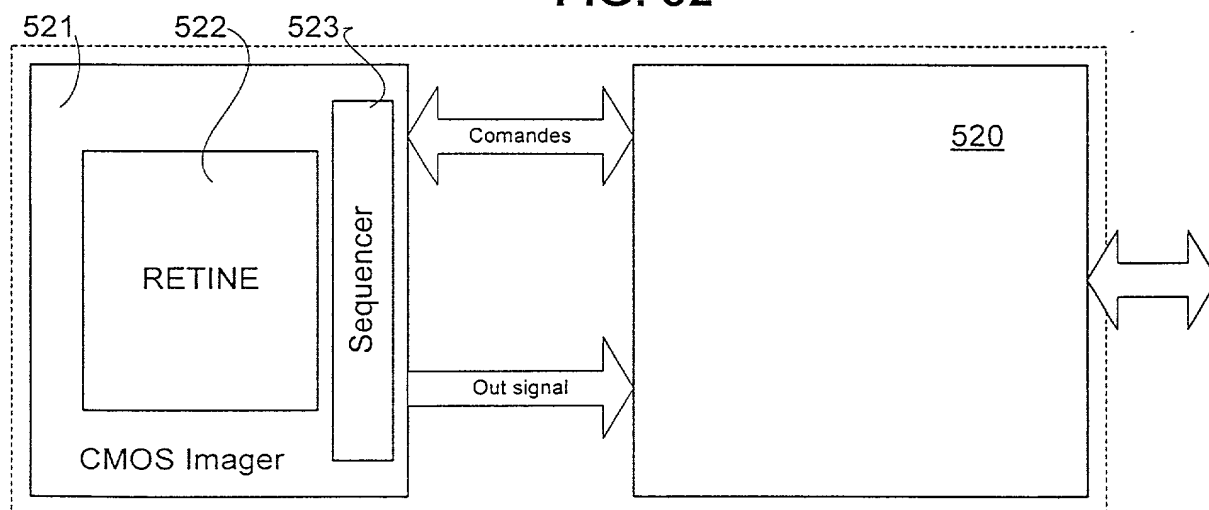


FIG. 33



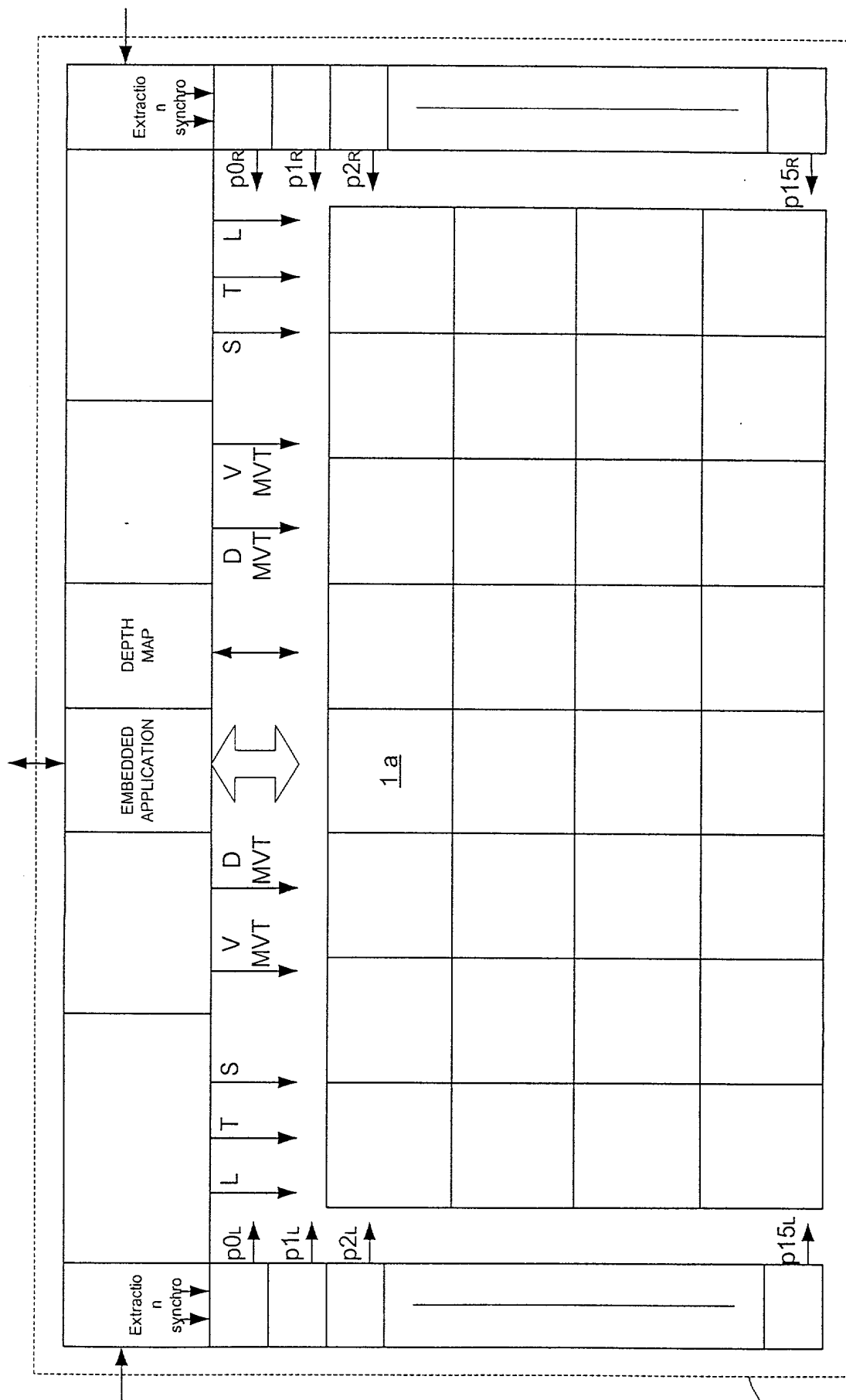


FIG. 34

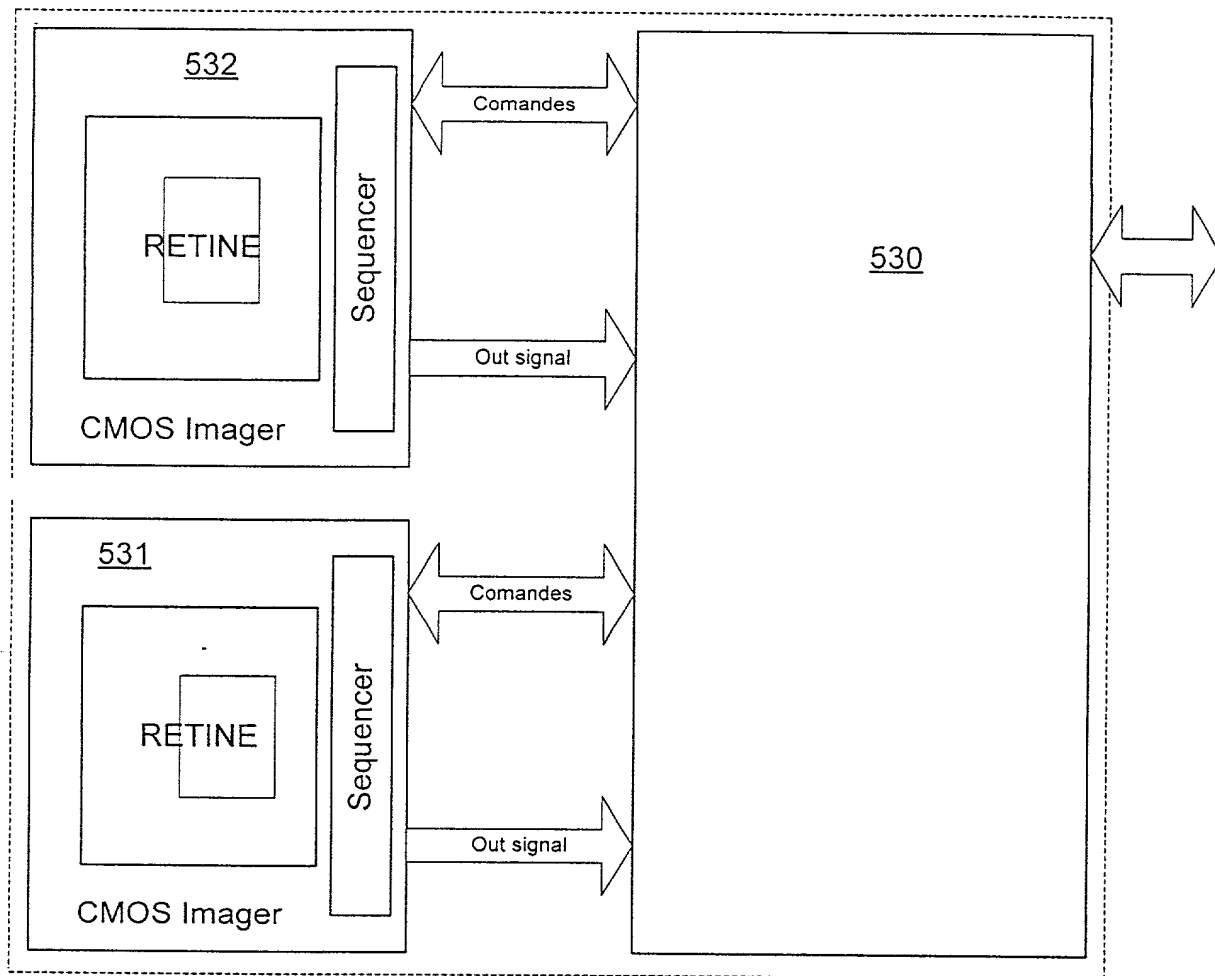


FIG. 35

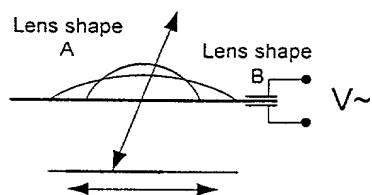
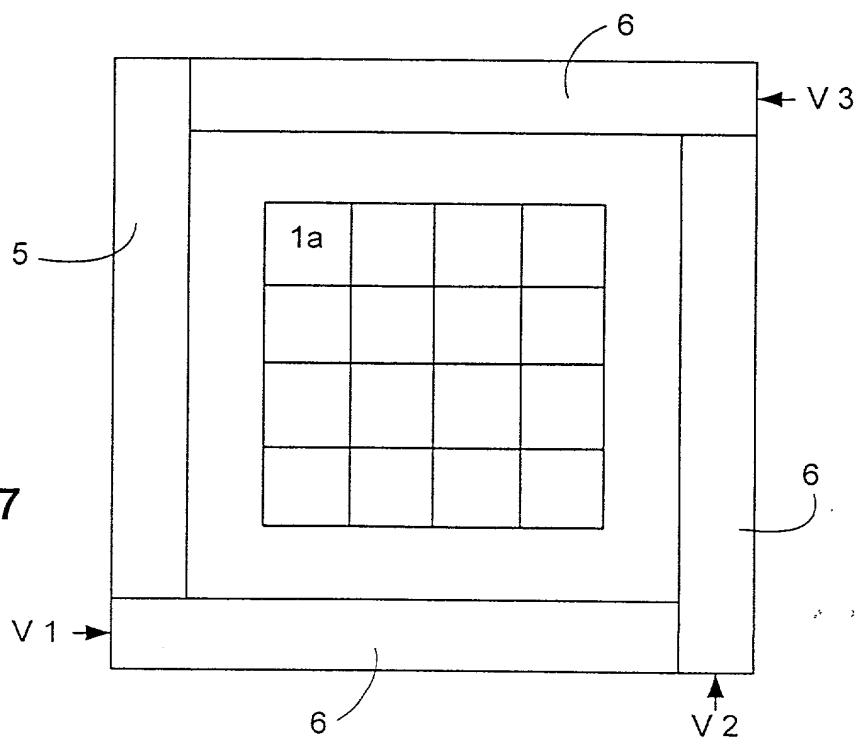


FIG. 36

FIG. 37



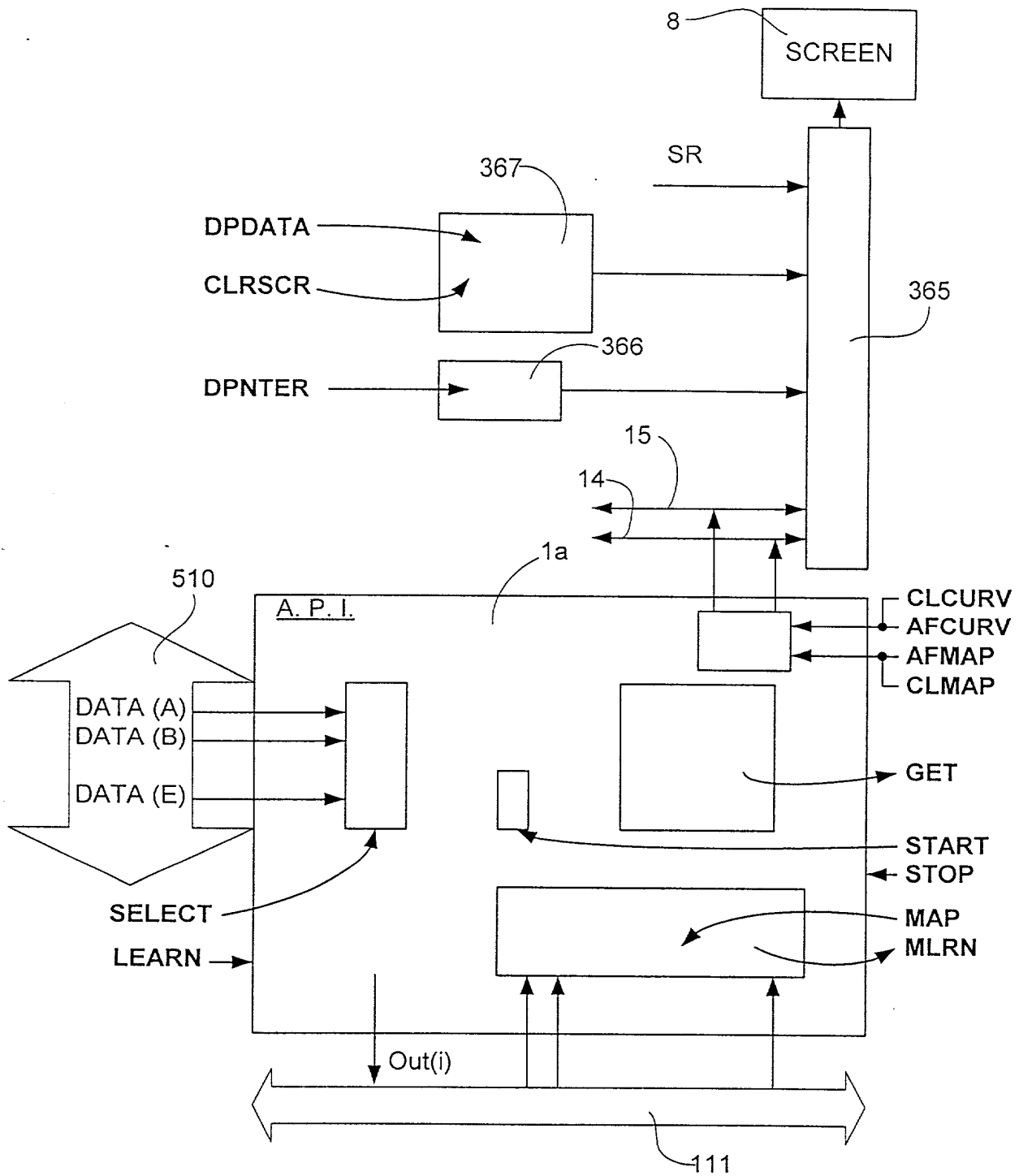


FIG. 38

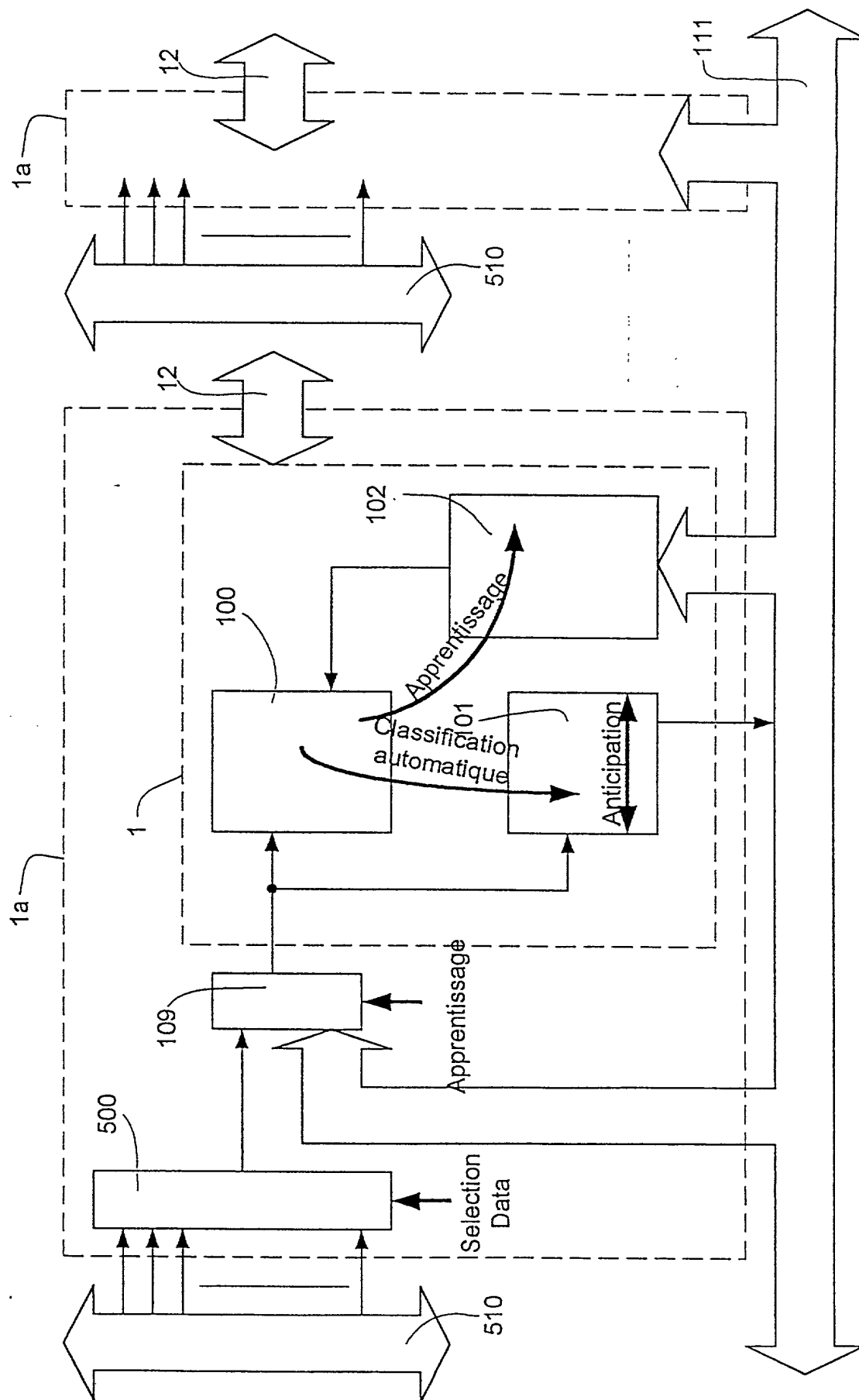


FIG. 40



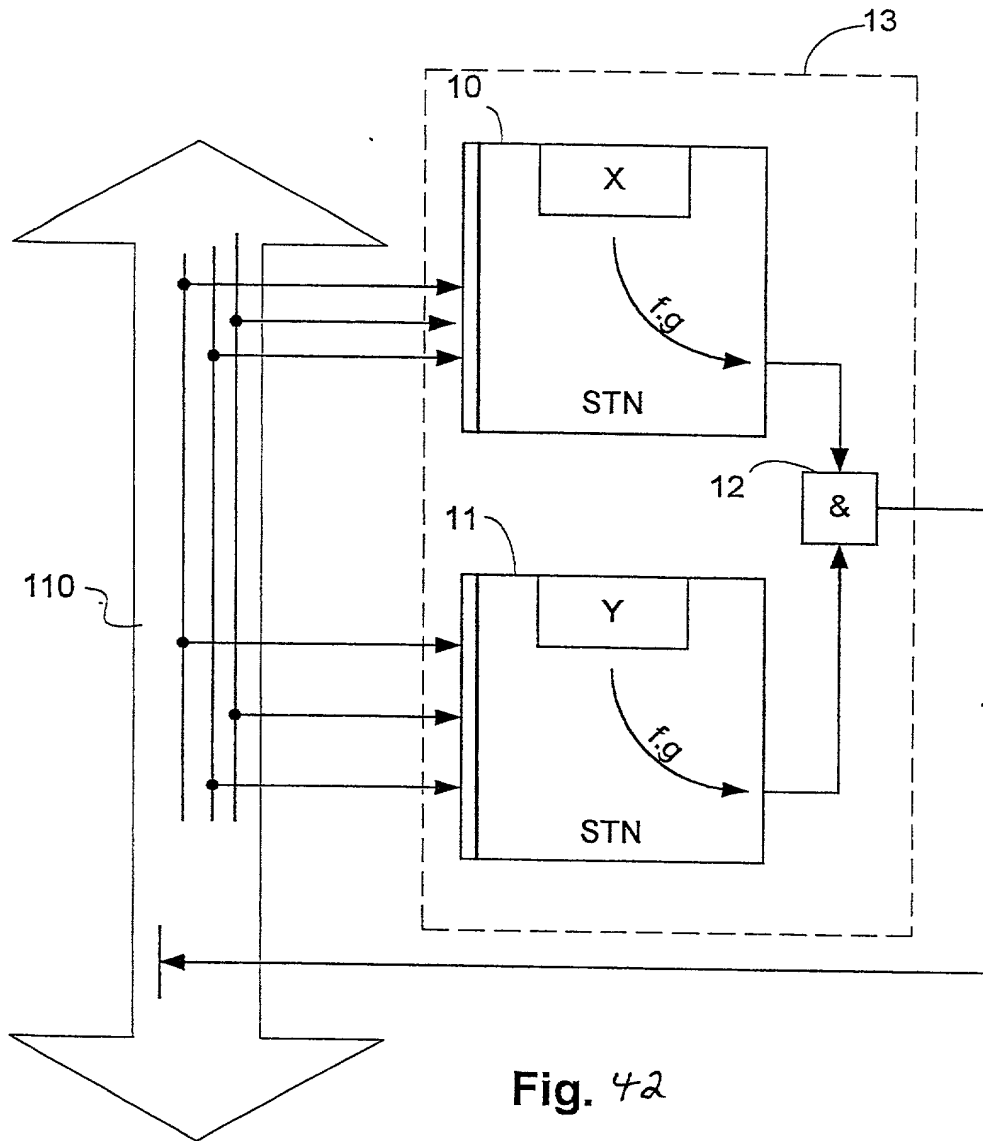


Fig. 42

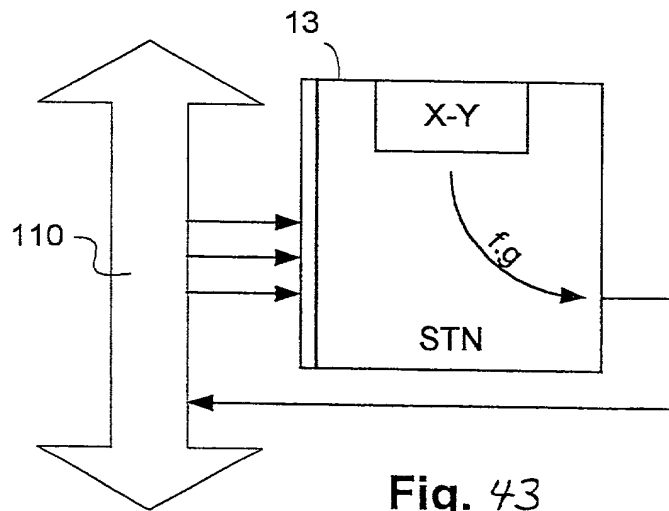


Fig. 43

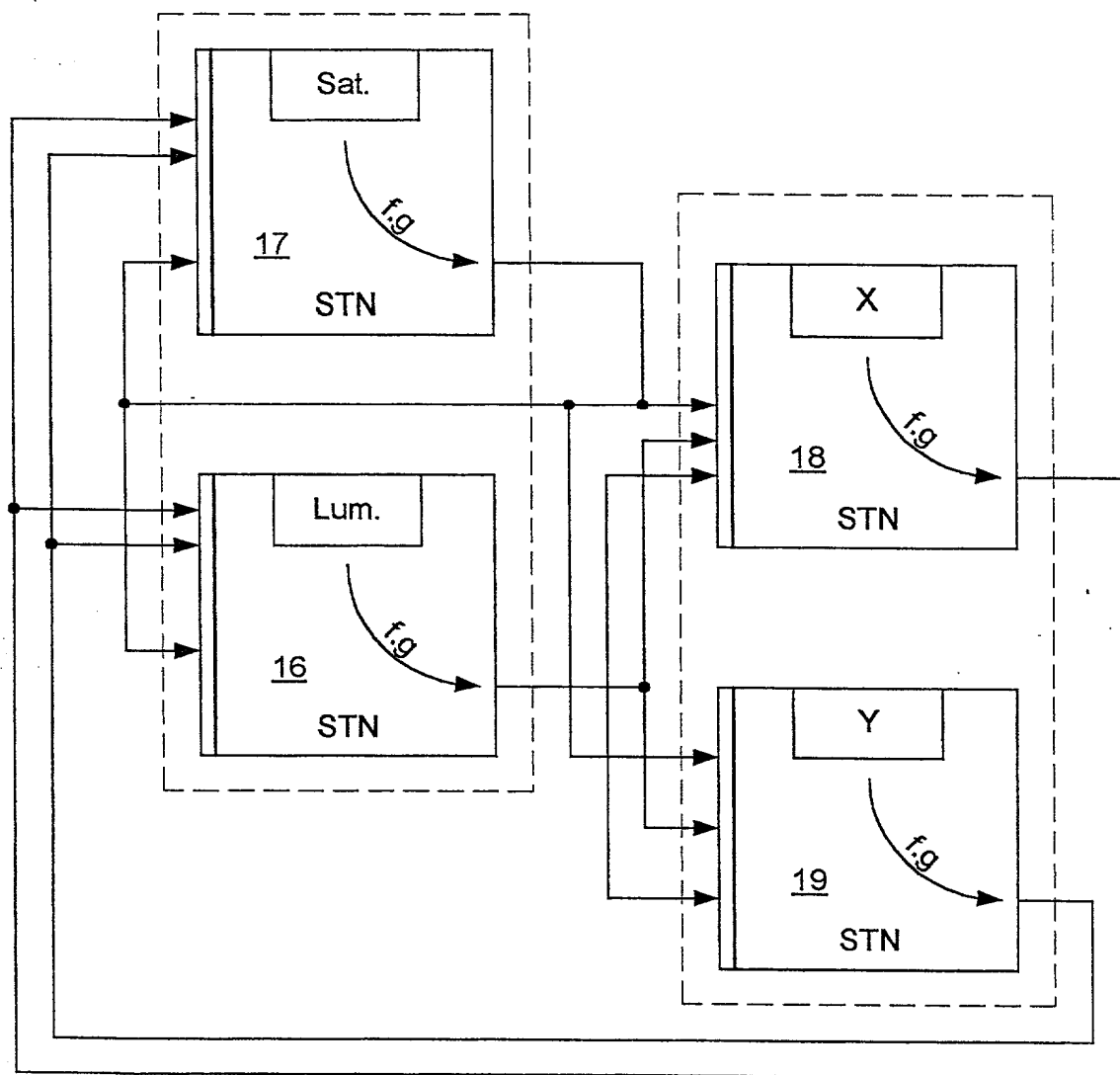


Fig. 44

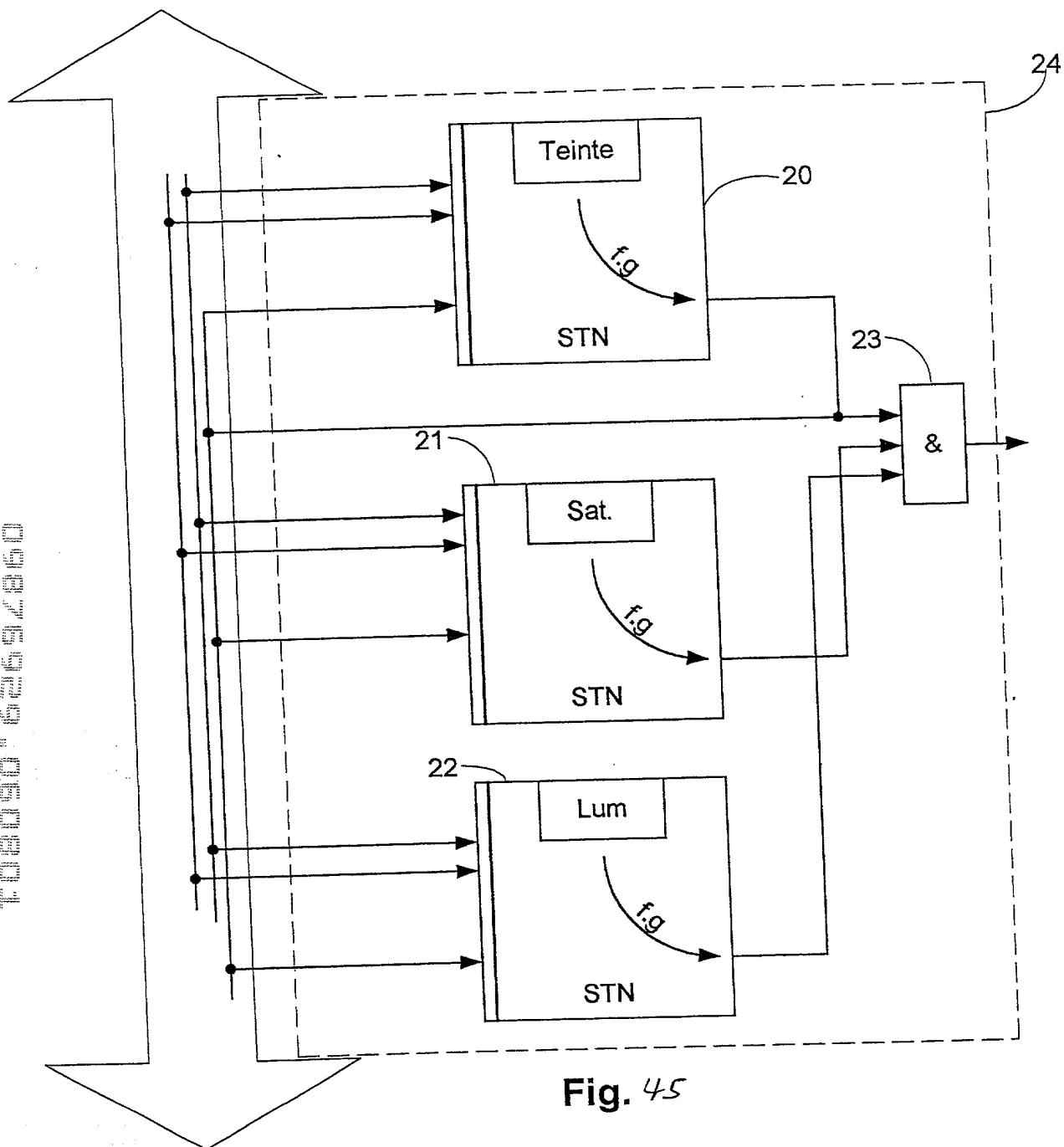


Fig. 45

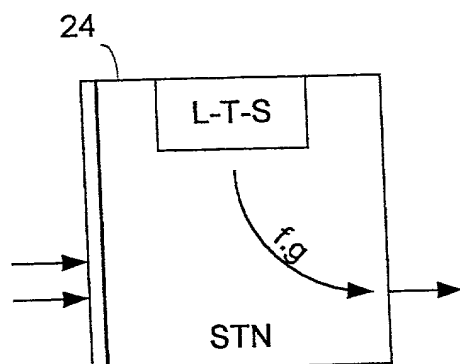


Fig. 46



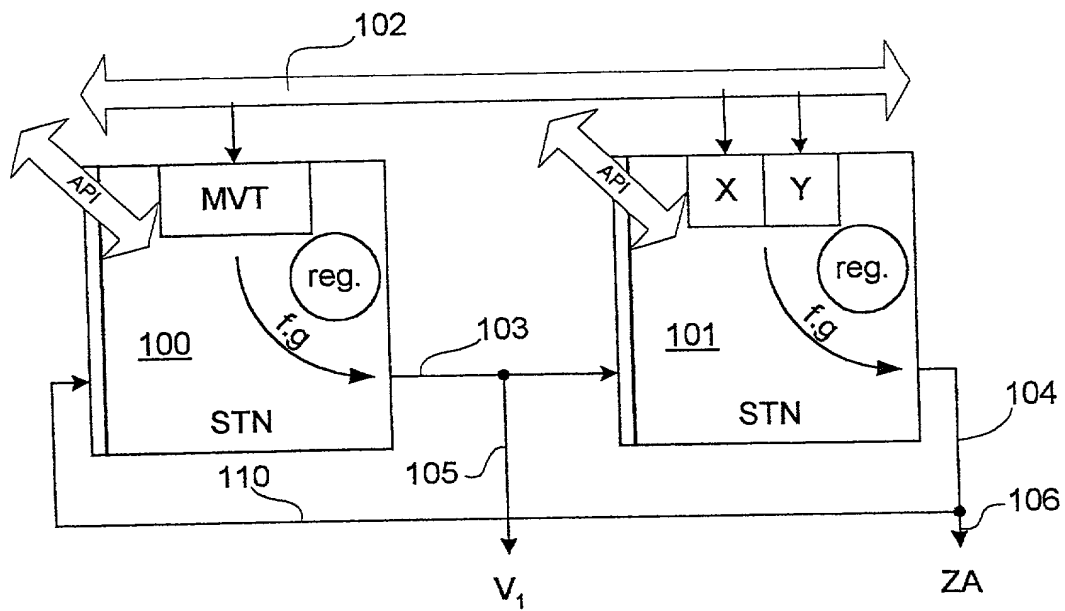


Fig. 47

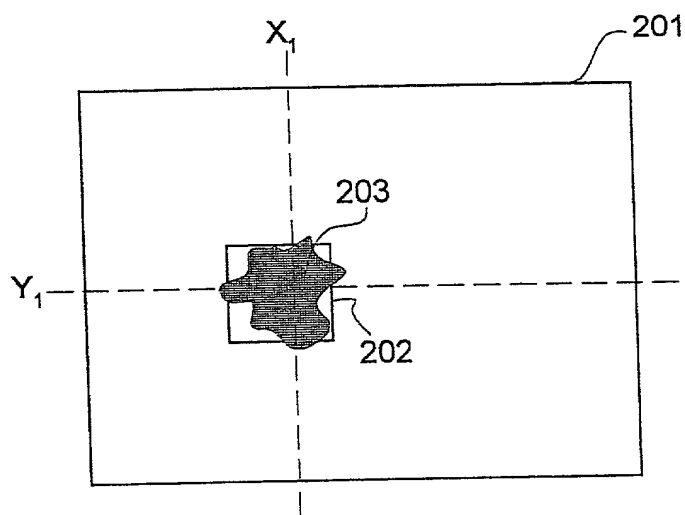


Fig. 48

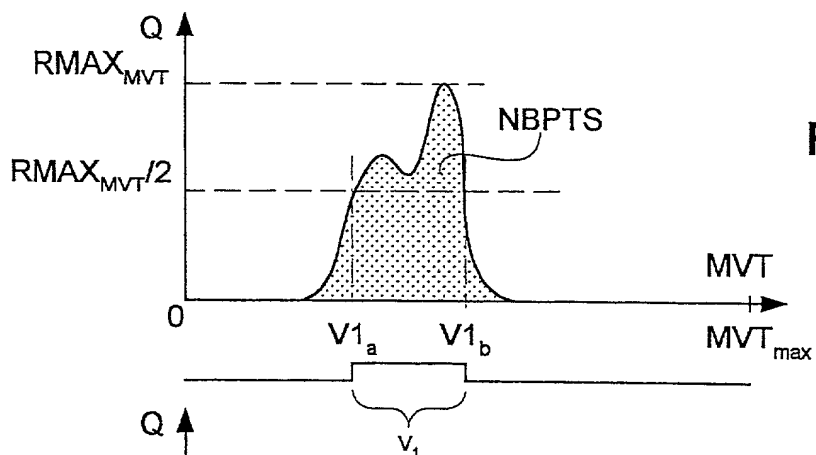


Fig. 49a

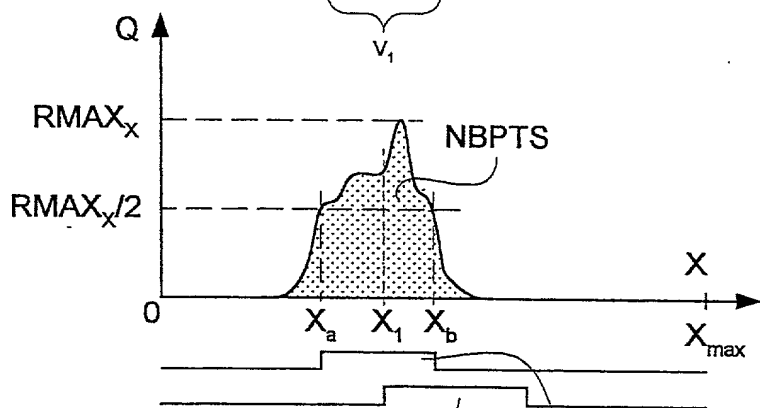


Fig. 49b

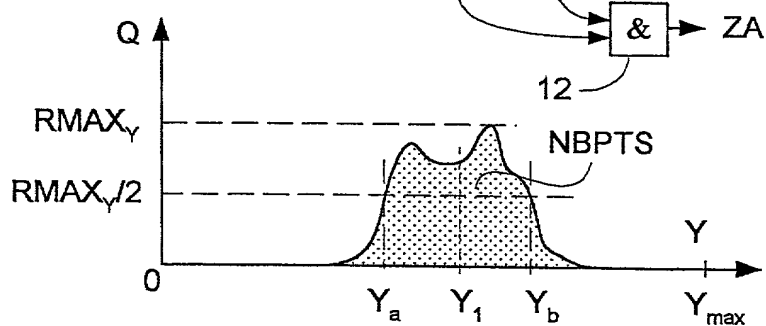


Fig. 49c

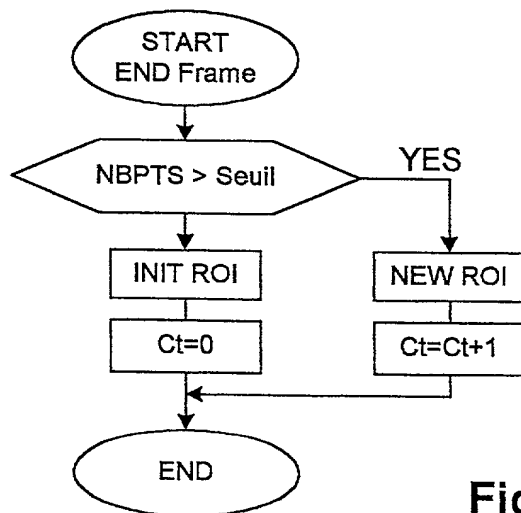
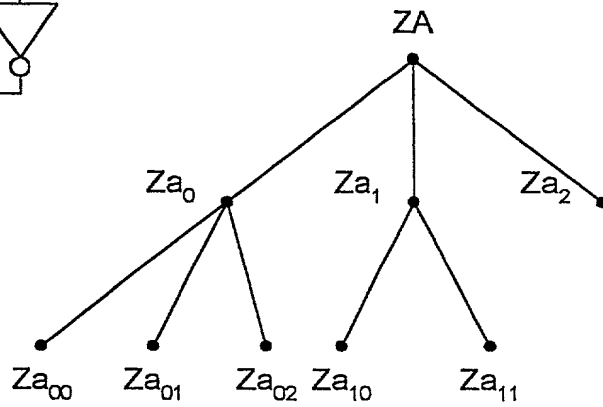
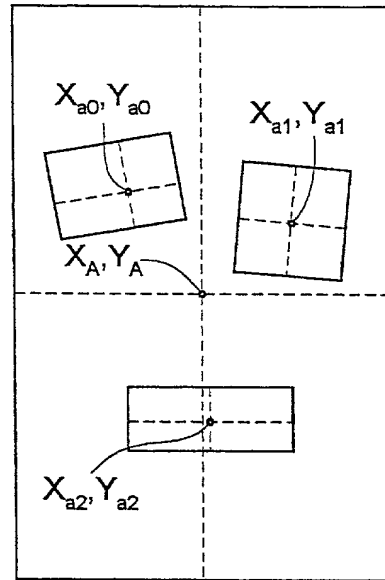
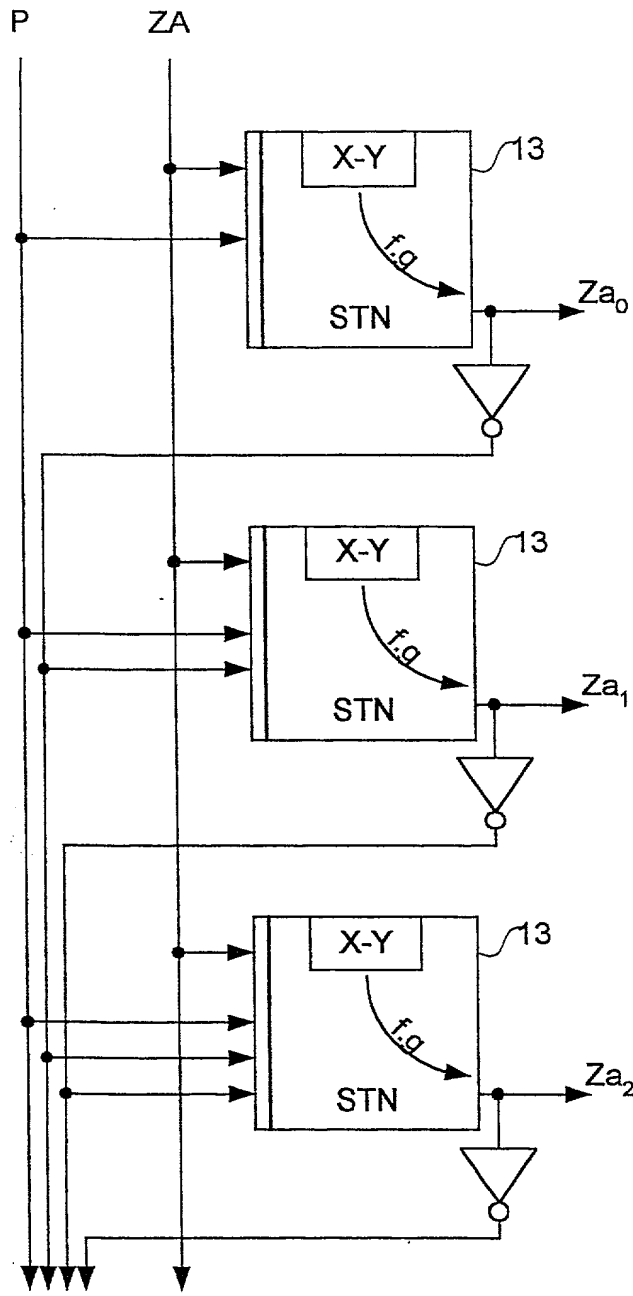


Fig. 50



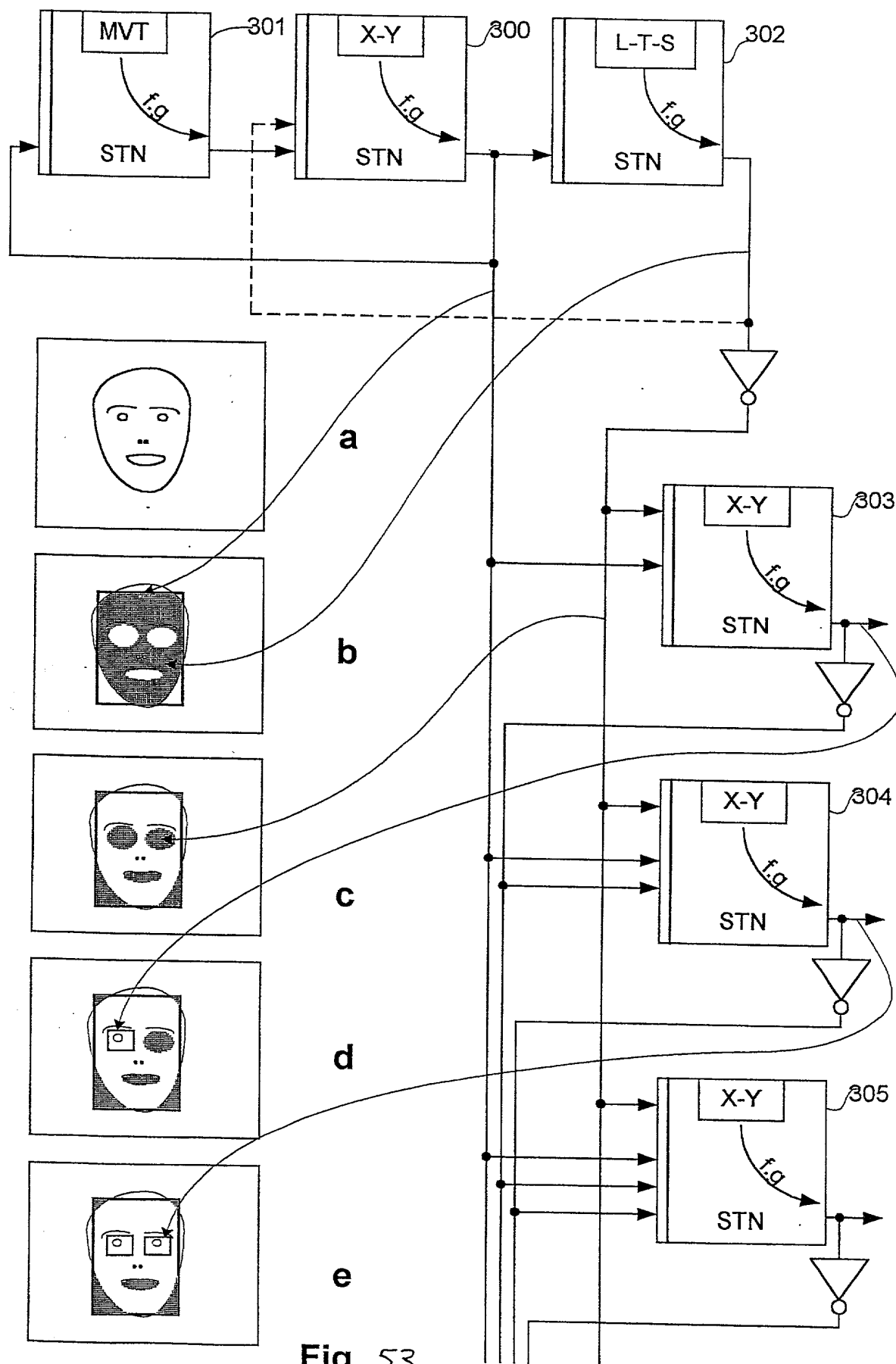


Fig. 53